



Missouri

Vital Statistics

2021



Health Care Analysis &
Data Dissemination

**MISSOURI
VITAL STATISTICS
2021**

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES

**DIVISION FOR COMMUNITY AND PUBLIC HEALTH
BUREAU OF HEALTHCARE ANALYSIS AND DATA DISSEMINATION**

**P.O. BOX 570
JEFFERSON CITY, MO 65102-0570**

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MISSOURI DEPARTMENT OF HEALTH & SENIOR SERVICES
Paula F. Nickelson, Director

DIVISION OF COMMUNITY AND PUBLIC HEALTH
Lori Brenneke, Director
Venkata Garikapati, Assistant Deputy Director
Dylan Bryant, State Registrar

**BUREAU OF HEALTH CARE ANALYSIS AND
DATA DISSEMINATION**
Andrew Hunter, Chief
Evan Mobley, Research Manager

* * * * *

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PREFACE

For more than 100 years, Missouri vital records have captured a piece of the life story of every person who was born or died in Missouri. Legislation passed by the Missouri General Assembly and approved on May 6, 1909, provided for the “immediate registration of all births and deaths” by the State Board of Health. Improved sanitation and hygiene for the people of the state were anticipated as a result of centralizing these duties. With the passage of the legislation, Missouri became the 19th state to enact a comprehensive vital statistics law, and acceptance into the death registration area of the U.S. Census Bureau soon followed. The 1909 law was implemented by February of 1910, and the first vital statistics report using a full year of Missouri birth and death records was for 1911.

Vital records and vital statistics impact our lives every day. Birth and death certificates are permanent legal records that contain valuable health and medical information. As legal documents, birth and death certificates provide proof of age, parentage, and citizenship. They are used to obtain passports and driver’s licenses, enroll in benefits programs, settle estates, obtain life insurance payouts, and terminate Social Security benefits. Health and medical information from birth and death records is transformed into data to calculate population growth, identify health risk factors, measure health outcomes, plan and evaluate health programs, and conduct research. Vital statistics help drive public health programs that keep people healthy, and they influence our personal health care.

This report presents the final tabulation of statistical data relating to vital events in Missouri during 2021. Records of live births received through February 22, 2022, death, fetal death, abortion, and marriage records through October 13, 2022, and dissolutions received through April 15, 2022, are included in the tables, allowing information on 2021 events to be as complete as possible.

Missouri Vital Statistics 2021 is published for use in public health and related fields as an aid for studying births, deaths, fetal deaths, marriages, dissolutions, and abortions. This document, along with additional vital statistics data, is available on the Department of Health and Senior Services website at www.health.mo.gov under “Data and Statistics.”

The COVID-19 pandemic has continued to have a major impact in Missouri as reflected in vital statistics. COVID-19 was the third leading cause of death with even more deaths attributed to COVID-19 compared to 2020. Total deaths due to all causes in 2021 were slightly below 2020, 73,831 resident compared to 73,883. Resident births were nearly the same as 2020, resulting in a natural decrease for a consecutive year. Life expectancy decreased again, this time from 75.0 years in 2020 to 74.6 years in 2021. This is the lowest life expectancy in Missouri in about 40 years. Tables showing specific causes of death have been modified so that the COVID-19 category could be added.

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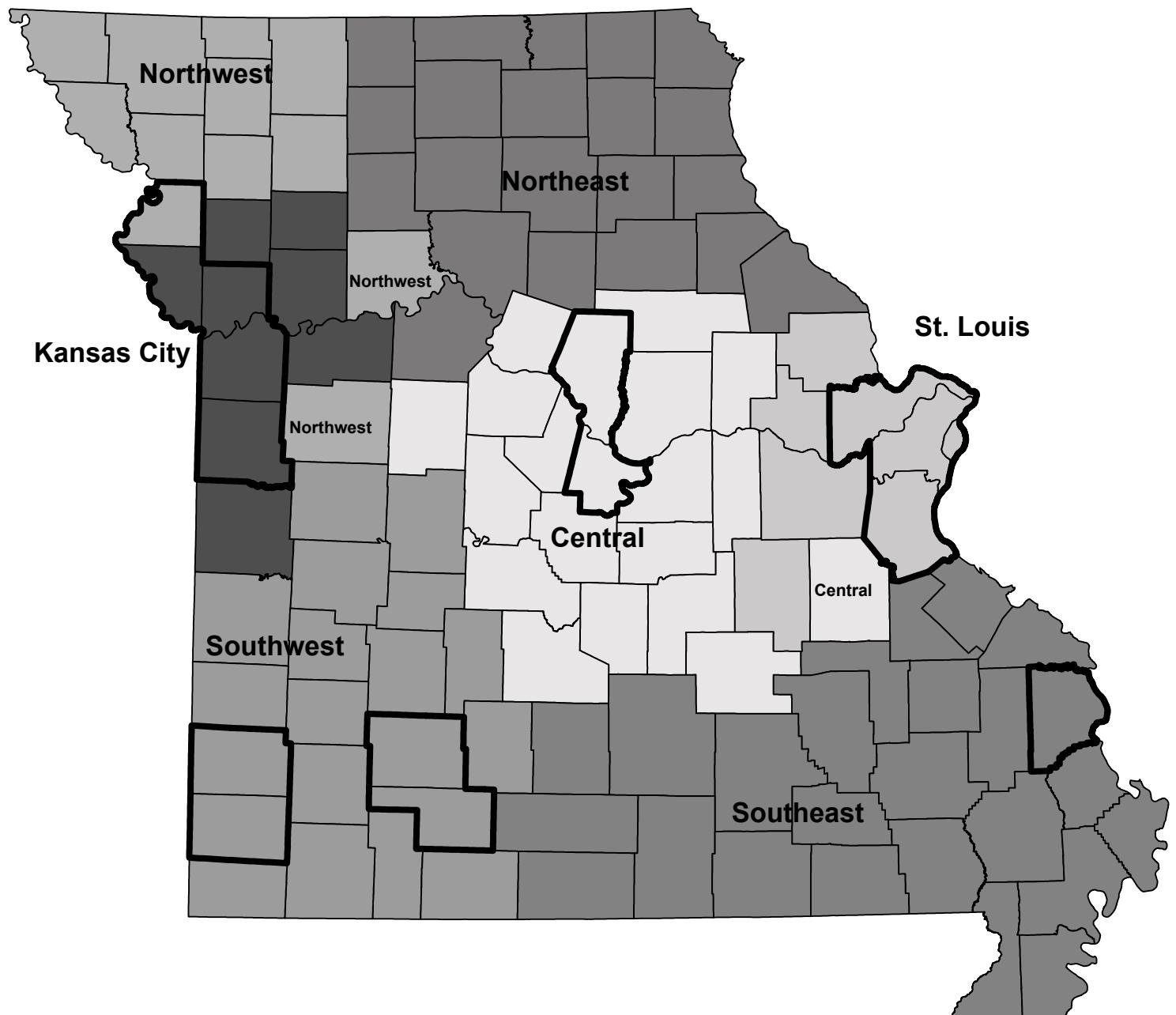
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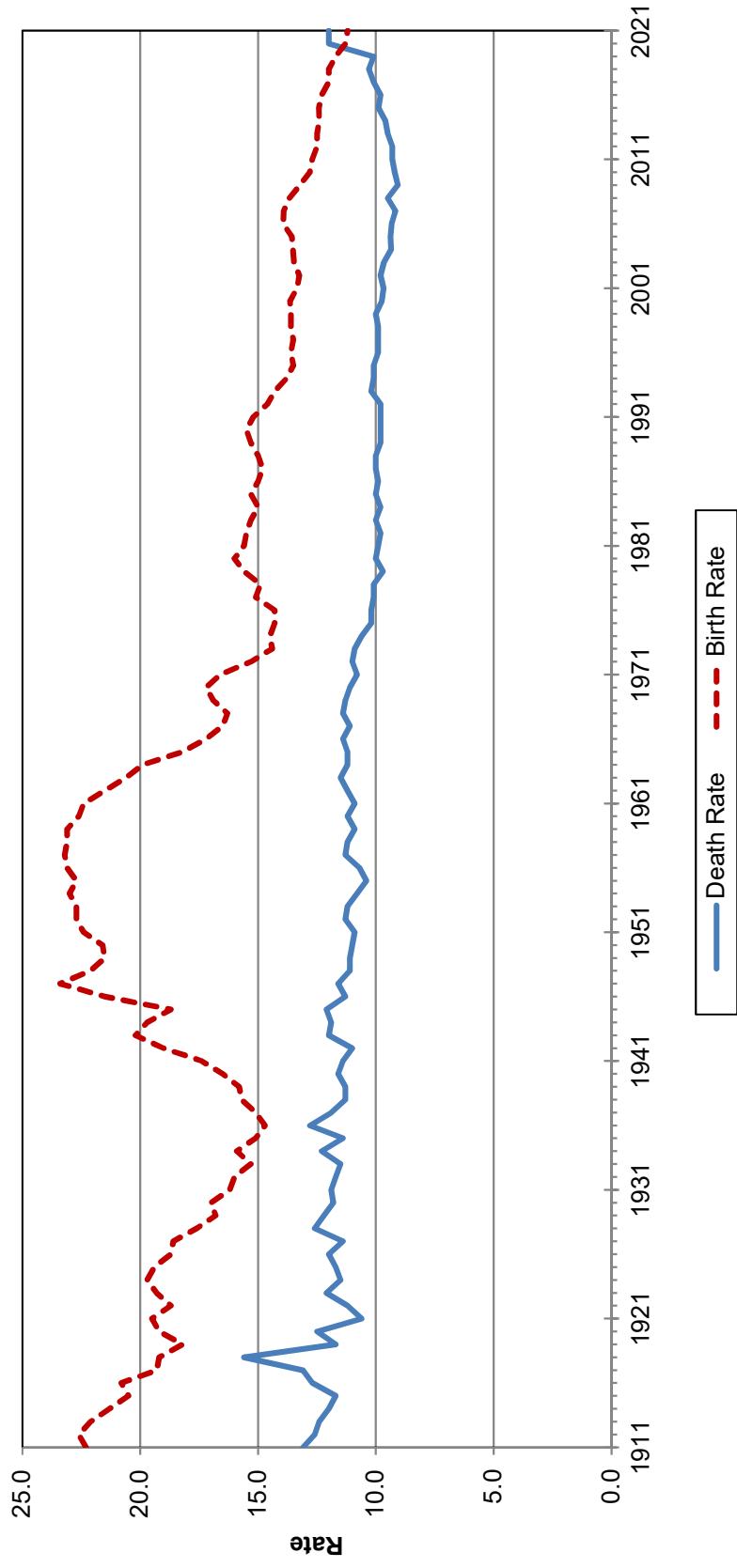
Behavioral Risk Factor Surveillance System (BRFSS) Regions



Legend

[Light Gray Box]	Central	[Dark Gray Box]	Southeast
[Dark Gray Box]	Kansas City	[Light Gray Box]	Southwest
[Medium Gray Box]	Northeast	[Light Gray Box]	St. Louis
[Light Gray Box]	Northwest	[Black Box]	Urban Areas

Graph A. Live Birth and Death Rates per 1,000 Population: Missouri, 1911-2021*



Year	Birth	Death	Rate									
1911	22.3	13.1	1945	18.7	12.1	1980	16.0	10.0	2015	12.4	9.9	11.7
1915	20.5	11.7	1950	21.6	11.0	1985	15.3	10.0	2016	12.3	9.8	11.7
1920	19.2	12.5	1955	22.7	10.4	1990	15.5	9.8	2017	12.0	10.1	11.7
1925	19.4	11.7	1960	22.6	11.2	1995	13.5	10.1	2018	12.0	10.3	11.7
1930	17.0	11.8	1965	18.2	11.2	2000	13.6	9.8	2019	11.7	10.1	11.7
1935	15.1	11.4	1970	17.2	11.1	2005	13.6	9.4	2020	11.3	12.0	11.7
1940	16.5	11.6	1975	14.3	10.2	2010	12.8	9.2	2021	11.2	12.0	11.7

*1911-1944 recorded events 1945-2021 resident events

Table 1. Population, Recorded Births and Deaths with Rates per 1,000 Population and Natural Increase: Missouri, 1911-1944

Year	Estimated Mid-Year Population	Births			Deaths		Natural Increase
		Number	Rate	Number	Rate		
1911	3,317	74,130	22.3	43,479	13.1	30,651	
1912	3,344	75,452	22.6	42,139	12.6	33,313	
1913	3,409	75,231	22.1	42,130	12.4	33,101	
1914	3,467	73,925	21.3	41,743	12.0	32,182	
1915	3,492	71,543	20.5	40,863	11.7	30,680	
1916	3,527	73,486	20.8	44,705	12.7	28,781	
1917	3,470	67,041	19.3	45,564	13.1	21,477	
1918	3,325	64,001	19.2	51,925	15.6	12,076	
1919	3,371	61,193	18.2	39,282	11.7	21,911	
1920	3,404	65,416	19.2	42,572	12.5	22,844	
1921	3,429	66,970	19.5	36,210	10.6	30,760	
1922	3,427	64,388	18.7	38,417	11.2	25,971	
1923	3,454	66,691	19.3	41,853	12.1	24,838	
1924	3,508	68,961	19.7	40,463	11.5	28,498	
1925	3,526	68,293	19.4	41,332	11.7	26,961	
1926	3,556	66,611	18.7	42,684	12.0	23,927	
1927	3,576	66,401	18.6	40,853	11.4	25,548	
1928	3,601	63,401	17.6	45,219	12.6	18,182	
1929	3,622	60,980	16.8	44,262	12.2	16,718	
1930	3,646	62,011	17.0	42,924	11.8	19,087	
1931	3,711	60,201	16.2	43,999	11.9	16,202	
1932	3,746	59,755	16.0	43,695	11.7	16,060	
1933	3,773	57,717	15.3	43,368	11.5	14,349	
1934	3,784	60,317	15.9	46,685	12.3	13,632	
1935	3,798	57,299	15.1	43,201	11.4	14,098	
1936	3,801	55,916	14.7	48,767	12.8	7,149	
1937	3,794	57,270	15.1	45,160	11.9	12,110	
1938	3,781	59,365	15.7	42,578	11.3	16,787	
1939	3,783	59,688	15.8	42,693	11.3	16,995	
1940	3,786	62,545	16.5	43,950	11.6	18,595	
1941	3,811	66,268	17.4	43,295	11.4	22,973	
1942	3,829	72,575	19.0	42,117	11.0	30,458	
1943	3,705	74,820	20.2	44,437	12.0	30,383	
1944	3,560	69,982	19.7	42,347	11.9	27,635	

Sources: 1911-1934 and 1937-1944 Vital Statistics Reports of the Missouri State Board of Health. 1935-1936, Special Reports of the United States Bureau of the Census. Population estimates 1911 to 1944 taken from the United States Bureau of the Census Release, Series P-25, No. 139, June 27, 1956.

Note: Only recorded births and deaths are shown because resident data was not available before 1945.

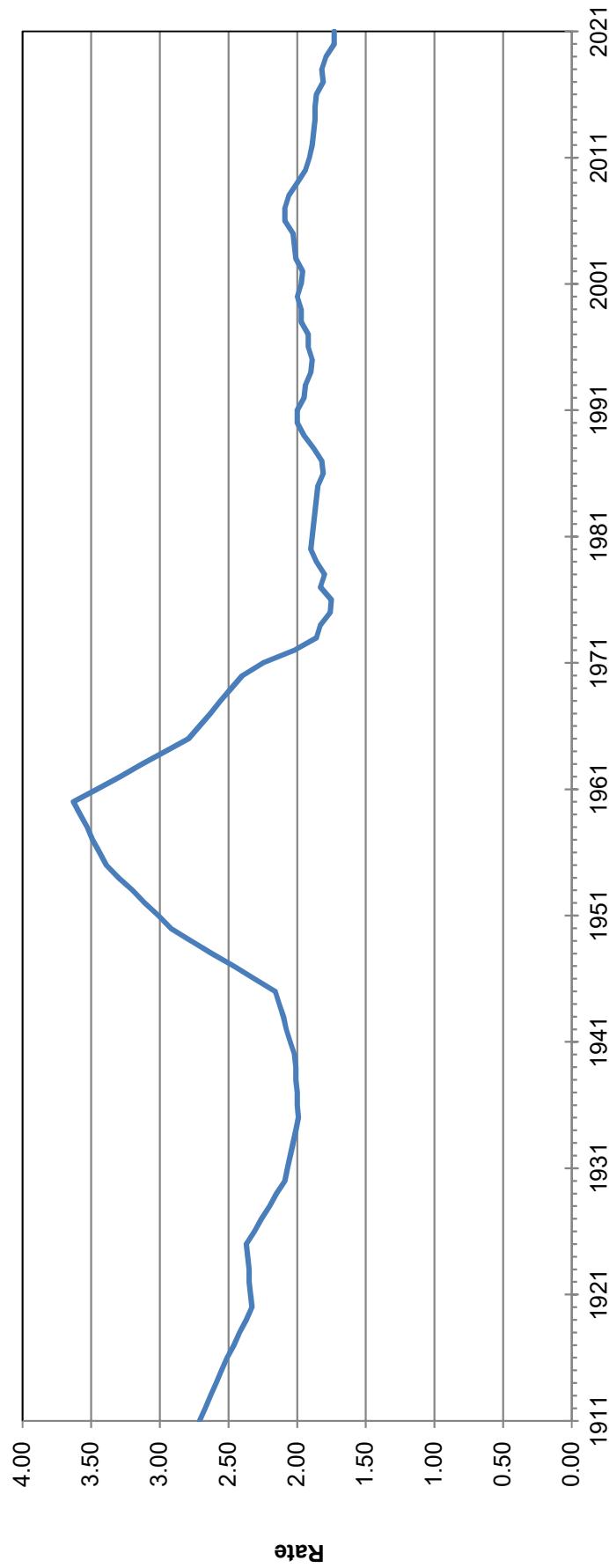
Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2021

Year	Estimated Mid-Year Population (Thousands)	Births		Deaths		Births		Deaths		Resident Deaths	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	3,516	67,693	19.3	42,757	12.2	65,691	18.7	42,496	12.1	23,195	
1946	3,746	82,901	22.1	42,640	11.4	80,698	21.5	42,377	11.3	38,321	
1947	3,845	92,369	24.0	44,762	11.6	89,902	23.4	44,474	11.6	45,428	
1948	3,844	87,005	22.6	42,921	11.2	85,096	22.1	42,753	11.1	42,342	
1949	3,955	87,372	22.1	43,995	11.1	85,206	21.5	43,708	11.1	41,498	
1950	3,964	87,948	22.2	43,962	11.1	85,704	21.6	43,714	11.0	41,990	
1951	4,015	92,664	23.1	44,318	11.0	89,977	22.4	44,051	10.9	45,926	
1952	3,972	92,931	23.4	45,245	11.4	90,118	22.7	45,051	11.3	45,067	
1953	4,020	94,419	23.5	45,686	11.4	91,447	22.7	45,148	11.2	46,299	
1954	4,066	97,278	23.9	44,404	10.9	93,453	23.0	43,835	10.8	49,618	
1955	4,134	97,591	23.6	43,531	10.5	93,797	22.7	43,000	10.4	50,797	
1956	4,163	100,163	24.1	45,003	10.8	96,099	23.1	44,458	10.7	51,641	
1957	4,189	101,287	24.2	47,784	11.4	97,161	23.2	47,333	11.3	49,828	
1958	4,186	100,729	24.1	47,338	11.3	96,721	23.1	46,729	11.2	49,992	
1959	4,258	102,461	24.1	47,099	11.1	98,537	23.1	46,465	10.9	52,072	
1960	4,326	101,778	23.5	48,955	11.3	97,723	22.6	48,287	11.2	49,436	
1961	4,349	101,462	23.3	47,933	11.0	97,321	22.4	47,303	10.9	50,018	
1962	4,357	97,658	22.4	49,685	11.4	93,879	21.5	49,016	11.2	44,863	
1963	4,392	93,545	21.3	51,159	11.6	90,363	20.6	50,538	11.5	39,825	
1964	4,442	90,918	20.5	50,271	11.3	88,335	19.9	49,617	11.2	38,718	
1965	4,467	84,162	18.8	51,101	11.4	81,216	18.2	50,249	11.2	30,967	
1966	4,523	80,750	17.9	52,476	11.6	77,946	17.2	51,581	11.4	26,365	
1967	4,539	77,940	17.2	51,245	11.3	74,823	16.5	50,544	11.1	24,279	
1968	4,568	77,028	16.9	52,834	11.6	74,304	16.3	52,019	11.4	22,285	
1969	4,640	81,313	17.5	53,172	11.5	78,396	16.9	52,314	11.3	26,082	
1970	4,680	83,787	17.9	52,592	11.2	80,707	17.2	51,743	11.1	28,964	
1971	4,723	81,409	17.2	51,810	11.0	78,375	16.6	50,811	10.8	27,564	
1972	4,753	75,127	15.8	53,249	11.2	72,597	15.3	52,287	11.0	20,310	
1973	4,775	70,808	14.8	53,003	11.1	68,605	14.4	51,812	10.9	16,793	
1974	4,785	71,875	15.0	51,656	10.8	69,412	14.5	50,504	10.6	18,908	
1975	4,795	70,786	14.8	49,986	10.4	68,442	14.3	48,984	10.2	19,458	
1976	4,824	71,319	14.8	50,074	10.4	68,781	14.3	49,008	10.2	19,773	
1977	4,845	75,689	15.6	49,839	10.3	72,957	15.1	48,761	10.1	24,196	
1978	4,871	75,283	15.5	50,439	10.4	72,654	14.9	49,207	10.1	23,447	
1979	4,889	78,562	16.1	48,946	10.0	76,056	15.6	47,656	9.7	28,400	
1980	4,917	80,770	16.4	50,504	10.3	78,588	16.0	49,334	10.0	29,254	
1981	4,932	78,538	15.9	49,780	10.1	76,758	15.6	48,645	9.9	28,113	
1982	4,930	78,334	15.9	49,145	10.0	76,648	15.5	48,126	9.8	28,522	
1983	4,944	77,061	15.6	50,540	10.2	75,505	15.3	49,381	10.0	26,124	
1984	4,976	76,293	15.3	50,232	10.1	74,422	15.0	48,890	9.8	25,532	

Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2021

Year	Estimated Mid-Year Population (Thousands)	Births		Deaths		Recorded		Births		Deaths		Resident Deaths		Natural Increase
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
1985	5,002	78,760	15.7	51,635	10.3	76,697	15.3	50,098	10.0	26,599				
1986	5,024	77,105	15.3	51,350	10.2	75,116	15.0	49,971	9.9	25,145				
1987	5,057	76,909	15.2	52,016	10.3	74,830	14.8	50,362	10.0	24,468				
1988	5,083	78,331	15.4	52,265	10.3	76,101	15.0	50,619	10.0	25,482				
1989	5,096	79,866	15.7	51,679	10.1	77,755	15.3	50,169	9.8	27,586				
1990	5,117	81,416	15.9	51,786	10.1	79,135	15.5	50,212	9.8	28,923				
1991	5,171	81,076	15.7	52,362	10.1	78,468	15.2	50,711	9.8	27,757				
1992	5,217	78,720	15.1	52,513	10.1	76,005	14.6	50,893	9.8	25,112				
1993	5,271	77,986	14.8	55,322	10.5	75,146	14.3	53,655	10.2	21,491				
1994	5,324	76,381	14.3	55,398	10.4	73,279	13.8	53,611	10.1	19,668				
1995	5,378	75,980	14.1	56,062	10.4	72,804	13.5	54,222	10.1	18,582				
1996	5,432	76,504	14.1	55,517	10.2	73,733	13.6	53,766	9.9	19,967				
1997	5,481	76,650	14.0	55,887	10.2	73,940	13.5	54,203	9.9	19,737				
1998	5,522	77,701	14.1	56,708	10.3	75,242	13.6	54,849	9.9	20,393				
1999	5,562	77,371	13.9	57,621	10.4	75,366	13.6	55,732	10.0	19,634				
2000	5,597	78,302	14.0	56,395	10.1	76,329	13.6	54,602	9.8	21,727				
2001	5,641	76,690	13.6	56,343	10.0	75,290	13.3	54,601	9.7	20,689				
2002	5,675	76,366	13.5	57,406	10.1	75,167	13.2	55,637	9.8	19,530				
2003	5,709	77,878	13.6	56,903	10.0	76,960	13.5	55,195	9.7	21,765				
2004	5,748	78,591	13.7	55,363	9.6	77,709	13.5	53,787	9.4	23,922				
2005	5,790	79,525	13.7	56,091	9.7	78,547	13.6	54,324	9.4	24,223				
2006	5,843	82,456	14.1	56,279	9.6	81,353	13.9	54,475	9.3	26,878				
2007	5,888	82,823	14.1	55,888	9.5	81,883	13.9	53,937	9.2	27,946				
2008	5,924	81,991	13.8	58,377	9.9	80,944	13.7	56,278	9.5	24,666				
2009	5,961	79,593	13.4	56,148	9.4	78,849	13.2	54,064	9.1	24,785				
2010	5,989	77,588	13.0	57,303	9.6	76,718	12.8	55,054	9.2	21,664				
2011	6,011	77,135	12.8	57,794	9.6	76,069	12.7	55,599	9.3	20,470				
2012	6,026	76,411	12.7	58,117	9.6	75,400	12.5	55,783	9.3	19,617				
2013	6,043	76,390	12.6	59,456	9.8	75,244	12.5	57,256	9.5	17,988				
2014	6,059	76,725	12.7	60,297	10.0	75,104	12.4	58,141	9.6	16,963				
2015	6,075	76,169	12.5	61,995	10.2	75,042	12.4	59,810	9.9	15,232				
2016	6,091	75,863	12.5	61,888	10.2	74,664	12.3	59,824	9.8	14,840				
2017	6,111	73,868	12.1	64,202	10.5	73,017	12.0	61,866	10.1	11,151				
2018	6,126	74,099	12.1	65,507	10.7	73,281	12.0	63,110	10.3	10,171				
2019	6,140	72,912	11.9	64,777	10.6	72,103	11.7	62,155	10.1	9,948				
2020	6,154	69,957	11.4	76,268	12.4	69,277	11.3	73,883	12.0	-4,606				
2021	6,168	70,183	11.4	76,510	12.4	69,269	11.2	73,831	12.0	-4,562				

Graph B. Total Fertility Rates: Missouri, 1911-2021

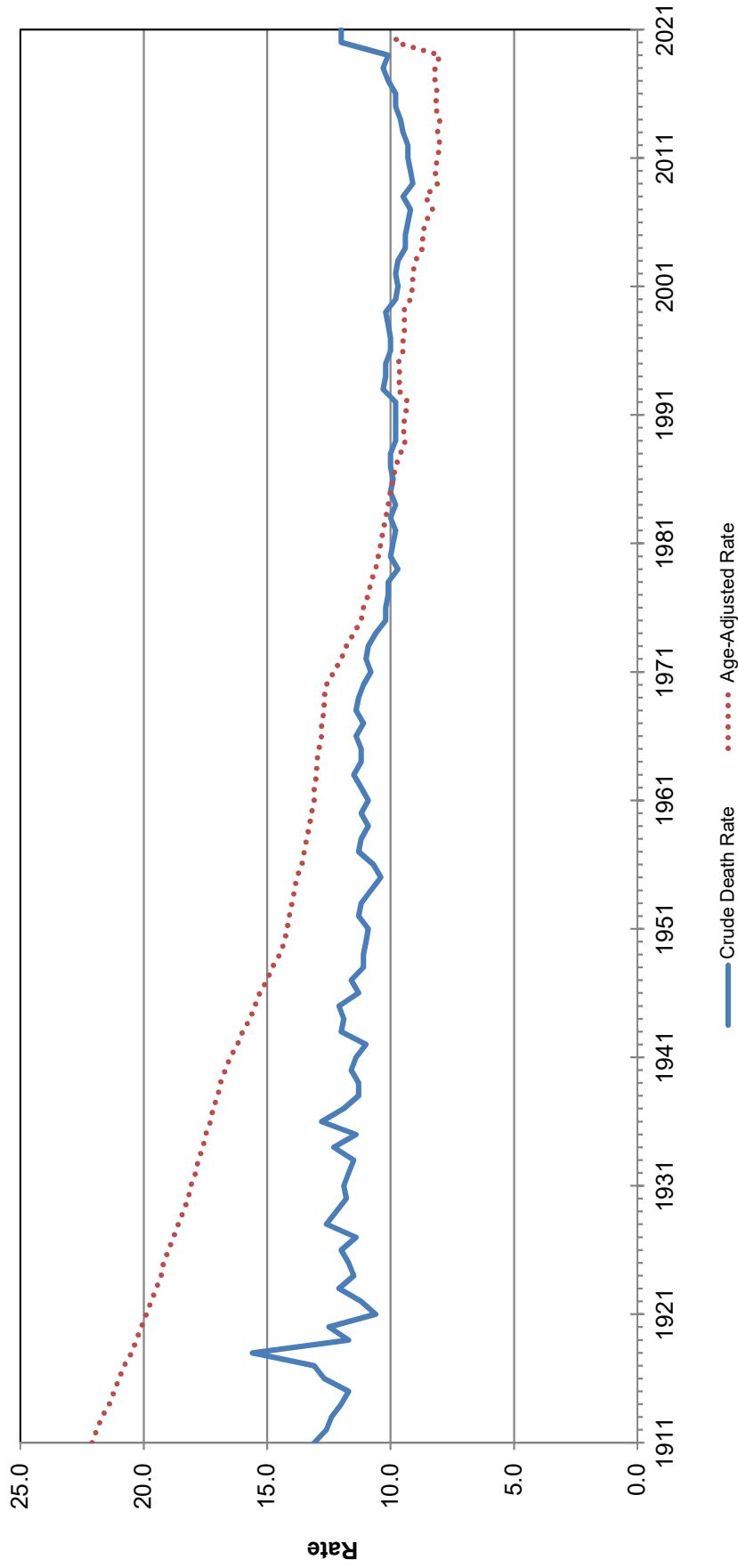


Year	Total Fertility Rate						
1911	2.71	1945	2.16	1980	1.90	2015	1.87
1915	2.55	1950	2.92	1985	1.85	2016	1.86
1920	2.33	1955	3.39	1990	2.00	2017	1.81
1925	2.37	1960	3.63	1995	1.89	2018	1.82
1930	2.09	1965	2.79	2000	2.00	2019	1.79
1935	1.99	1970	2.40	2005	2.03	2020	1.73
1940	2.02	1975	1.76	2010	1.94	2021	1.73

Table 3. Fertility Rates per 1,000 Females by Age of Mother: Missouri, 1911-2021

General Fertility Rate	Year	Age of Mother						45+			
		15-19	15-17	Total	18-19	20-24	25-29	30-34	35-39	40-44	45+
93.3	1911	0.4	48.8	---	---	134.2	133.5	109.6	77.7	33.5	3.8
88.8	1915	0.3	50.4	---	---	136.4	126.2	97.5	67.7	27.7	3.2
80.6	1920	0.4	49.6	---	---	129.3	113.3	85.0	59.6	25.0	3.0
81.1	1925	0.4	56.7	---	---	129.5	120.2	83.8	57.7	22.5	2.4
71.1	1930	0.5	54.1	---	---	115.5	103.6	79.8	46.7	18.3	2.0
68.0	1935	0.5	52.5	---	---	116.0	96.9	69.3	43.6	16.8	1.6
69.1	1940	0.4	54.5	---	---	123.6	104.8	69.8	37.1	13.2	1.4
73.2	1945	0.5	50.2	---	---	121.7	114.2	81.4	47.5	14.9	1.2
98.6	1950	0.9	82.6	---	---	189.5	153.4	95.2	48.1	14.0	1.0
112.3	1955	0.8	95.3	---	---	229.0	174.2	106.9	55.7	15.2	1.0
118.1	1960	0.9	99.0	---	---	254.4	187.5	110.5	56.5	16.5	1.0
93.0	1965	0.9	75.1	---	---	188.7	146.5	87.1	45.0	13.5	0.8
85.6	1970	1.1	71.8	---	---	163.3	137.2	67.7	30.1	8.8	0.5
65.9	1975	1.3	60.0	41.1	89.0	110.1	106.6	51.1	18.8	4.6	0.2
70.6	1980	1.2	57.5	35.6	88.0	121.9	116.9	60.5	18.3	3.7	0.2
66.4	1985	1.2	52.4	30.5	83.8	115.9	113.0	63.4	19.7	3.2	0.2
67.9	1990	1.2	62.7	39.2	92.9	118.9	117.3	70.5	25.3	4.1	0.1
61.0	1995	1.1	55.1	32.3	91.2	108.3	108.9	72.4	27.6	4.5	0.2
63.3	2000	0.7	48.6	26.7	80.4	115.2	115.4	82.9	31.4	5.8	0.4
62.5	2001	0.6	45.9	23.2	79.9	109.3	117.8	83.2	31.9	5.7	0.3
62.6	2002	0.6	43.7	21.9	76.6	108.3	116.4	84.2	33.1	5.9	0.4
64.2	2003	0.6	42.7	21.2	74.8	109.4	122.0	86.3	34.0	6.1	0.3
65.0	2004	0.7	42.8	21.4	74.4	108.4	121.4	87.1	36.2	6.4	0.4
65.8	2005	0.5	41.6	20.6	73.4	110.1	123.4	87.0	36.3	6.4	0.3
68.2	2006	0.5	44.0	22.4	77.0	114.4	124.8	89.3	37.1	6.6	0.4
68.8	2007	0.5	44.0	21.2	78.7	115.1	124.6	90.0	36.7	6.5	0.4
68.4	2008	0.5	43.5	21.3	75.8	111.3	122.1	90.4	36.5	6.8	0.4
66.8	2009	0.4	40.6	19.4	70.4	107.5	117.5	89.9	36.3	6.7	0.3
65.2	2010	0.4	37.0	17.0	65.0	100.0	116.6	90.2	36.0	7.2	0.4
64.7	2011	0.3	34.5	15.8	61.1	96.3	115.1	91.1	37.4	7.3	0.3
64.3	2012	0.4	32.2	13.9	58.9	93.3	115.1	91.4	37.8	7.5	0.4
64.1	2013	0.2	30.0	12.6	55.9	90.4	116.6	92.5	39.0	7.0	0.4
64.0	2014	0.3	27.2	11.7	50.7	88.9	115.6	94.8	39.7	7.5	0.4
64.0	2015	0.2	25.1	10.4	47.8	87.6	115.4	96.6	41.3	7.1	0.4
63.8	2016	0.2	23.4	9.4	44.9	85.4	113.9	97.8	42.7	8.1	0.4
62.4	2017	0.1	22.5	8.6	43.6	82.3	109.9	96.7	42.6	8.1	0.5
62.5	2018	0.2	21.6	8.6	41.0	82.1	110.3	97.7	42.8	8.8	0.5
61.3	2019	0.2	20.3	7.6	39.2	79.5	108.7	97.2	43.0	8.4	0.5
58.7	2020	0.2	18.4	7.2	35.8	75.5	107.0	94.0	41.4	8.6	0.4
58.2	2021	0.2	17.0	6.8	33.8	72.5	107.3	95.4	43.5	8.7	0.5

Graph C. Crude and Age-Adjusted Death Rates* per 1,000 Population: Missouri, 1911-2021



Year	Crude	Age-Adj.									
1911	13.1	22.1	1945	12.1	15.5	1980	10.0	10.5	2015	9.8	8.2
1915	11.7	21.2	1950	11.0	14.3	1985	10.0	10.0	2016	9.8	8.1
1920	12.5	20.1	1955	10.4	13.8	1990	9.8	9.5	2017	10.1	8.2
1925	11.7	19.2	1960	11.2	13.2	1995	10.2	9.7	2018	10.3	8.2
1930	11.8	18.2	1965	11.2	12.9	2000	9.8	9.2	2019	10.1	8.0
1935	11.4	17.5	1970	11.1	12.6	2005	9.4	8.7	2020	12.0	9.8
1940	11.6	16.7	1975	10.2	11.2	2010	9.2	8.2	2021	12.0	9.7

*United States 2000 population distribution used as the standard.

Table 4. Age-Specific Death Rates per 1,000 Population: Missouri, 1911-2021

Year	Total*	Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
1911	22.1	99.6	12.3	2.7	4.8	6.9	8.8	13.5	24.4	52.4	118.8	247.6
1920	20.1	87.1	10.4	2.8	5.0	7.0	7.9	11.2	21.1	47.0	104.2	249.0
1930	18.2	63.9	5.1	1.8	3.3	4.4	6.4	11.9	22.2	49.5	110.0	190.0
1940	16.7	51.6	3.3	1.0	1.9	2.8	4.9	9.8	20.4	44.8	110.0	207.2
1950	14.3	33.4	1.5	0.6	1.2	1.7	3.4	8.1	18.1	38.9	94.3	210.4
1960	13.2	25.5	1.0	0.4	1.1	1.5	2.9	7.2	16.6	37.1	86.5	201.1
1970	12.6	20.8	0.8	0.4	1.4	1.6	3.2	7.2	16.6	35.8	81.8	181.9
1975	11.2	16.4	0.6	0.3	1.2	1.4	2.6	6.5	14.6	32.4	71.9	170.6
1980	10.5	12.3	0.7	0.3	1.3	1.3	2.2	5.8	13.4	30.5	67.1	162.4
1985	10.0	10.2	0.5	0.2	1.0	1.2	1.8	5.1	13.3	28.5	65.8	161.4
1990	9.4	9.4	0.5	0.3	1.1	1.3	2.0	4.5	12.5	26.8	60.9	154.5
1995	9.7	7.4	0.4	0.3	1.1	1.4	2.3	4.8	11.7	27.3	60.9	159.5
1996	9.5	7.6	0.4	0.3	1.0	1.2	2.3	4.5	11.2	26.5	60.6	158.2
1997	9.5	7.6	0.4	0.2	1.0	1.2	2.0	4.5	11.5	26.6	59.7	160.8
1998	9.4	7.6	0.4	0.2	0.9	1.2	2.1	4.4	11.0	26.5	60.6	163.5
1999	9.5	7.7	0.3	0.2	0.9	1.2	2.2	4.4	10.9	26.7	61.3	165.5
2000	9.2	7.2	0.3	0.2	1.0	1.1	2.1	4.4	10.6	25.5	59.5	162.2
2001	9.1	7.4	0.4	0.2	1.0	1.1	2.2	4.4	10.2	24.8	59.0	161.9
2002	9.1	8.5	0.4	0.2	1.0	1.1	2.2	4.6	10.1	25.0	59.1	164.3
2003	9.0	7.8	0.4	0.2	0.9	1.1	2.2	4.7	10.1	24.3	58.0	160.8
2004	8.7	7.5	0.4	0.2	0.9	1.1	2.1	4.5	9.9	23.3	56.0	154.9
2005	8.7	7.5	0.3	0.2	1.0	1.2	2.2	4.8	9.5	22.8	56.0	153.9
2006	8.6	7.4	0.3	0.2	1.0	1.3	2.2	4.7	9.6	22.2	54.6	151.8
2007	8.3	7.5	0.4	0.2	0.9	1.2	2.0	4.6	9.1	21.6	53.6	150.2
2008	8.6	7.2	0.3	0.2	0.9	1.2	2.1	4.8	9.7	21.7	54.7	156.1
2009	8.1	7.2	0.4	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.8	142.5
2010	8.2	6.6	0.2	0.1	0.9	1.3	2.1	4.7	9.3	20.8	51.6	146.9
2011	8.1	6.3	0.3	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.0	144.1
2012	8.0	6.6	0.3	0.2	0.8	1.3	2.0	4.7	9.4	20.1	50.2	141.1
2013	8.1	6.5	0.3	0.2	0.8	1.2	2.1	4.7	9.8	20.1	50.6	143.0
2014	8.0	6.1	0.3	0.1	0.8	1.3	2.1	4.9	10.1	20.2	50.5	139.4
2015	8.2	6.5	0.3	0.2	0.9	1.4	2.2	4.8	10.3	20.3	50.9	142.1
2016	8.1	6.6	0.3	0.1	1.0	1.6	2.4	4.7	10.0	20.0	49.4	138.9
2017	8.2	6.2	0.3	0.2	1.0	1.6	2.4	4.6	10.2	20.8	50.5	139.8
2018	8.2	6.3	0.3	0.1	1.0	1.7	2.5	4.9	10.5	20.6	49.5	139.6
2019	8.0	6.0	0.3	0.2	1.0	1.6	2.5	4.7	10.3	20.3	47.6	134.7
2020	9.8	5.7	0.3	0.2	1.1	2.1	3.0	5.3	11.8	23.9	59.0	177.4
2021	9.7	5.7	0.4	0.2	1.1	2.3	3.4	6.1	13.0	24.3	56.6	161.5

*Age-Adjusted Death Rate using United States 2000 population distribution as the standard.

Table 5A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2021

		All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race					
Total		69,269	50,468	9,494	4,582	4,593					
Gender											
Male		35,519	25,821	4,921	2,353	2,349					
Female		33,750	24,647	4,573	2,229	2,244					
Attendant											
MD		50,931	36,151	7,896	3,461	3,325					
DO		12,909	10,053	1,164	809	869					
CNM/CM		3,707	2,735	348	272	344					
CPM		884	787	32	22	37					
Other Midwife		355	335	12	3	5					
Other		483	407	42	15	13					
Birthplace											
Hospital		67,074	48,525	9,384	4,527	4,522					
Birthning Center		244	186	28	12	15					
Clinic		296	282	1	6	7					
Home Residence		1,400	1,251	65	31	44					
...Planned		1,286	1,179	35	27	39					
...Unplanned		107	68	28	4	5					
Other		255	224	16	6	5					
Month of Birth											
January		5,431	3,862	779	402	380					
February		4,979	3,651	677	330	313					
March		5,844	4,245	822	396	376					
April		5,524	4,036	748	382	351					
May		5,850	4,348	773	345	374					
June		6,044	4,488	769	382	396					
July		6,274	4,585	865	395	419					
August		6,152	4,469	822	417	429					
September		6,007	4,428	834	360	369					
October		5,912	4,299	793	400	407					
November		5,538	4,011	772	366	373					
December		5,714	4,046	840	407	406					
Number Born											
Singleton		66,949	48,819	9,080	4,446	4,476					
Twin		2,246	1,601	401	126	114					
Triplet		66	48	9	6	3					
Quadruplet or More		8	0	0	4	4					

		All Races		White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race	Hispanic, Any Race
				All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	
				Previous Non-Live Birth Outcomes				
				None	46,885	34,575	5,734	3,200
				One	14,137	10,154	2,221	867
				Two or More	7,959	5,547	1,489	487
				Unknown	288	192	50	28
				Maternal Smoking				
				Non-smoker	58,796	42,297	8,264	3,993
				3 Months Prior	9,055	7,374	883	478
				During Pregnancy	6,853	5,648	666	339
				...First Trimester	6,641	5,487	629	330
				...Second Trimester	5,714	4,769	530	263
				...Last 3 Months	5,397	4,517	500	248
				...Smoked Pack per Day	1,061	911	91	37
				...Quit Smoking	1,432	1,118	157	90
				Status Unknown	1,262	691	318	98
				Full-Term Singleton				
				Maternal Weight Gain				
				Less than 15 Pounds	8,928	5,881	1,670	616
				15 to 24 Pounds	9,883	7,108	1,284	696
				25 to 34 Pounds	14,944	11,288	1,668	1,019
				35 to 44 Pounds	12,530	9,750	1,307	760
				45 or More Pounds	12,366	9,345	1,544	764
				Unknown	1,936	1,196	393	147
				Maternal Weight Status				
				Before Pregnancy				
				Underweight	2,055	1,513	248	179
				Normal	26,849	20,515	2,877	1,922
				Overweight	17,315	12,552	2,294	1,150
				Obese	21,536	15,133	3,698	1,206
				Principal Payment Source				
				Medicaid	26,584	15,786	6,219	1,943
				Private Insurance	37,069	30,488	2,682	2,292
				Self-pay	2,645	2,138	119	140
				Other	1,296	905	206	87
				Unknown	1,675	1,151	268	120

* Includes births to mothers of multiple races, but not mothers of unknown race.

Table 5B. Resident Live Births by Selected Obstetric, Pediatric, and Maternal Conditions and Procedures: Missouri, 2021

	Number	Percent		Number	Percent
Live Births	69,269	100.0			
Pregnancy Risk Factors	25,191	36.4			
...Prepregnancy Diabetes	856	1.2			
...Gestational Diabetes	6,096	8.8			
...Insulin-dependent Diabetes	1,375	2.0			
...Prepregnancy Hypertension	2,571	3.7			
...Gestational Hypertension	6,948	10.0			
...Eclampsia	411	0.6			
...Previous Preterm Births	3,403	4.9			
...Other Poor Pregnancy Outcomes	1,564	2.3			
...Infertility Treatment	1,383	2.0			
...Previous Cesarean Delivery	9,914	14.3			
Infections					
...Gonorrhea	370	0.5			
...Syphilis	186	0.3			
...Chlamydia	1,537	2.2			
...Hepatitis B	77	0.1			
...Hepatitis C	452	0.7			
...HIV	40	0.1			
Obstetric Procedures					
...Cervical Cerclage	233	0.3			
...Tocolysis	400	0.6			
...External Cephalic Version	308	0.4			
....Successful*	155	50.3			
Onset of Labor					
...Premature Membrane Rupture	8,197	11.8			
...Precipitous Labor	4,353	6.3			
...Prolonged Labor	1,505	2.2			
Characteristics of Labor					
...Induction of Labor	29,261	42.2			
...Augmentation of Labor	15,341	22.1			
...Non-vertex Presentation	1,509	2.2			
...Steroids for Lung Maturation	3,146	4.5			
...Antibiotics for Mother	20,762	30.0			
...Clinical Chorioamnionitis	792	1.1			
...Meconium Staining	2,725	3.9			
...Fetal Intolerance of Labor	3,946	5.7			
...Epidural Given	55,072	79.5			
Final Delivery Route and Method					
...Vaginal/Spontaneous	46,401	67.0			
...Vaginal/Forceps	380	0.5			
...Vaginal/Vacuum	1,459	2.1			
...Cesarean	20,858	30.1			
....Vaginal Trial Prior to Cesarean**	6,584	31.6			
....Attempted Forceps (unsuccessful)	190	0.3			
....Attempted Vacuum (unsuccessful)	538	0.8			
...Vaginal After Previous Cesarean (VBAC)***	1,716	17.3			
Fetal Presentation:					
...Cephalic	65,045	93.9			
...Breech	2,961	4.3			
...Other	517	0.7			

Table 6. Resident Live Births by Race and Age of Mother by Marital Status and Live Birth Order: Missouri, 2021

		All Live Births					Out-of-Wedlock Births						
		Live Birth Order					Live Birth Order						
		Total	1st	2nd	3rd	4th	5th or More	Total	1st	2nd	3rd	4th	5th or More
All Races	All Ages	69,269	25,363	21,913	12,145	5,517	4,331	27,687	11,373	7,720	4,586	2,263	1,745
	Under 15	38	37	1	0	0	0	38	37	1	0	0	0
15-17		779	736	42	1	0	0	764	721	42	1	0	0
18-19		2,525	2,074	417	30	3	1	2,244	1,858	358	24	3	1
20-24		14,361	7,561	4,591	1,651	423	135	9,392	5,067	2,901	1,048	288	88
25-29		21,476	7,840	7,131	3,902	1,733	870	7,849	2,286	2,516	1,724	853	470
30-34		19,588	5,153	6,711	4,117	1,995	1,612	4,846	955	1,317	1,192	727	655
35-39		8,739	1,627	2,621	2,100	1,130	1,261	2,080	344	503	504	314	415
40-44		1,649	301	373	332	217	426	431	89	74	88	71	109
45 and Over		92	25	20	10	15	22	24	8	3	3	6	4
Unknown		22	9	6	2	1	4	19	8	5	2	1	3
White, Non-Hispanic	All Ages	50,468	18,909	16,477	8,769	3,638	2,675	16,119	7,071	4,599	2,560	1,125	764
	Under 15	17	16	1	0	0	0	17	16	1	0	0	0
15-17		441	419	22	0	0	0	432	410	22	0	0	0
18-19		1,638	1,366	249	21	2	0	1,404	1,189	198	15	2	0
20-24		9,945	5,324	3,215	1,074	258	74	5,722	3,173	1,785	575	152	37
25-29		15,965	6,204	5,378	2,755	1,109	519	4,454	1,404	1,459	963	411	217
30-34		14,848	4,106	5,337	3,094	1,335	976	2,617	584	759	650	349	275
35-39		6,380	1,231	1,988	1,576	789	796	1,192	222	321	299	169	181
40-44		1,163	225	268	242	136	292	258	65	49	55	38	51
45 and Over		62	16	16	6	9	15	16	6	3	2	4	1
Unknown		9	2	3	1	0	3	7	2	2	1	0	2
Black, Non-Hispanic	All Ages	9,494	3,062	2,549	1,772	1,097	1,014	7,288	2,577	1,951	1,300	779	681
	Under 15	12	12	0	0	0	0	12	12	0	0	0	0
15-17		179	165	13	1	0	0	177	163	13	1	0	0
18-19		493	392	94	7	0	0	486	387	92	7	0	0
20-24		2,342	1,188	688	330	102	34	2,167	1,114	639	294	90	30
25-29		2,871	732	902	619	382	236	2,262	569	704	490	313	186
30-34		2,290	396	570	520	396	408	1,509	241	371	353	264	280
35-39		1,057	138	229	256	175	259	565	71	112	139	90	153
40-44		232	31	51	38	39	73	103	18	19	16	20	30
45 and Over		15	6	1	1	3	4	5	1	0	0	2	2
Unknown		3	2	1	0	0	0	2	1	1	0	0	0

Table 7. Teen-Age Resident Live Births by Race and Age of Mother by Marital Status and Live Birth Order with Percentages: Missouri, 2021

		All Live Births				Out-of-Wedlock Births				Percent Out-of-Wedlock			
		Live Birth Order				Live Birth Order				Live Birth Order			
		Total	1st	2nd	3rd or More	Total	1st	2nd	3rd or More	Total	1st	2nd	3rd or More
All Races	All Ages	3,342	2,847	460	35	3,046	2,616	401	29	91.1	91.9	87.2	82.9
10	0	0	0	0	0	0	0	0	0	---	---	---	---
11	1	1	0	0	1	1	0	0	0	100.0	100.0	---	---
12	1	1	0	0	1	1	0	0	0	100.0	100.0	---	---
13	7	7	0	0	7	7	0	0	0	100.0	100.0	---	---
14	29	28	1	0	29	28	1	0	0	100.0	100.0	100.0	---
15	81	79	2	0	81	79	2	0	0	100.0	100.0	100.0	---
16	205	193	12	0	204	192	12	0	0	99.5	99.5	100.0	---
17	493	464	28	1	479	450	28	1	0	97.2	97.0	100.0	100.0
18	933	804	123	6	871	751	114	6	0	93.4	93.4	92.7	100.0
19	1,592	1,270	294	28	1,373	1,107	244	22	0	86.2	87.2	83.0	78.6
White, Non-Hispanic	All Ages	2,096	1,801	272	23	1,853	1,615	221	17	88.4	89.7	81.3	73.9
10	0	0	0	0	0	0	0	0	0	---	---	---	---
11	1	1	0	0	1	1	0	0	0	100.0	100.0	---	---
12	0	0	0	0	0	0	0	0	0	---	---	---	---
13	6	6	0	0	6	6	0	0	0	100.0	100.0	---	---
14	10	9	1	0	10	9	1	0	0	100.0	100.0	100.0	---
15	39	39	0	0	39	39	0	0	0	100.0	100.0	---	---
16	107	99	8	0	107	99	8	0	0	100.0	100.0	100.0	---
17	295	281	14	0	286	272	14	0	0	96.9	96.8	100.0	---
18	606	527	74	5	550	478	67	5	0	90.8	90.7	90.5	100.0
19	1,032	839	175	18	854	711	131	12	0	82.8	84.7	74.9	66.7
Black, Non-Hispanic	All Ages	684	569	107	8	675	562	105	8	98.7	98.8	98.1	100.0
10	0	0	0	0	0	0	0	0	0	---	---	---	---
11	0	0	0	0	0	0	0	0	0	---	---	---	---
12	0	0	0	0	0	0	0	0	0	---	---	---	---
13	0	0	0	0	0	0	0	0	0	---	---	---	---
14	12	12	0	0	12	12	0	0	0	100.0	100.0	---	---
15	26	24	2	0	26	24	2	0	0	100.0	100.0	100.0	---
16	50	48	2	0	50	48	2	0	0	100.0	100.0	100.0	---
17	103	93	9	1	101	91	9	1	0	98.1	97.8	100.0	100.0
18	183	158	24	1	183	158	24	1	0	100.0	100.0	100.0	100.0
19	310	234	70	6	303	229	68	6	0	97.7	97.9	97.1	100.0

**Table 8. Percent Resident Low Birth Weight and Resident Live Births by Birth Weight
by Race and Age of Mother: Missouri, 2021**

		Birth Weight (Grams)											
		Percent Low Birth Weight	Total	Less Than 500	500-999	1000-1499	1500-1999	2000-2499	2500-2999	3000-3499	3500-3999	4000-4499	4500 or More
All Races	All Ages	8.9	69,269	105	343	528	1,169	4,013	12,916	26,459	18,396	4,624	682
	Under 15	15.8	38	0	1	2	0	3	9	15	8	0	0
	15-17	11.3	779	3	7	9	12	57	196	331	137	24	3
	18-19	11.0	2,525	2	20	21	57	177	597	1,043	505	92	11
	20-24	9.0	14,361	27	60	114	232	865	2,955	5,751	3,514	747	89
	25-29	8.6	21,476	28	122	156	329	1,207	3,820	8,314	5,845	1,455	192
	30-34	8.1	19,588	30	78	133	309	1,043	3,431	7,384	5,468	1,466	234
	35-39	9.7	8,739	9	38	78	176	545	1,573	3,014	2,473	706	123
	40 and Over	11.6	1,741	6	15	14	54	112	327	604	442	134	30
White, Non-Hispanic	All Ages	7.5	50,468	63	186	337	712	2,465	8,324	19,266	14,641	3,884	567
	Under 15	17.6	17	0	1	2	0	0	4	6	4	0	0
	15-17	9.3	441	2	3	4	3	29	105	190	88	17	0
	18-19	10.0	1,638	2	13	14	36	98	350	653	391	71	10
	20-24	7.5	9,945	16	35	69	133	493	1,781	4,006	2,708	624	73
	25-29	7.1	15,965	15	49	93	198	771	2,524	6,166	4,728	1,247	170
	30-34	6.9	14,848	21	55	93	197	653	2,324	5,607	4,462	1,244	185
	35-39	8.4	6,380	5	20	50	111	347	1,017	2,225	1,920	580	101
	40 and Over	10.5	1,225	2	9	11	34	72	216	413	338	101	28
Black, Non-Hispanic	All Ages	16.3	9,494	27	106	131	303	975	2,664	3,467	1,522	259	35
	Under 15	16.7	12	0	0	0	0	2	4	5	1	0	0
	15-17	15.1	179	0	2	4	6	15	55	73	20	3	1
	18-19	14.2	493	0	4	2	13	51	159	201	57	6	0
	20-24	16.0	2,342	8	20	33	60	253	717	881	324	41	5
	25-29	16.6	2,871	10	50	49	93	274	771	1,058	484	72	6
	30-34	15.8	2,290	3	13	24	76	245	615	822	397	82	12
	35-39	17.5	1,057	3	12	18	42	110	283	339	193	47	10
	40 and Over	18.6	247	3	5	1	13	24	59	87	46	8	1

Table 9. Resident Live Births by Mother's Marital Status by Race of Mother with Percentages by County and Cities with 25,000 or More Population: Missouri, 2021

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
State Total	69,269	50,468	9,494	27,687	16,119	7,288	40.0	31.9	76.8
Adair	266	205	42	112	80	18	42.1	39.0	42.9
Andrew	179	168	0	65	59	0	36.3	35.1	---
Atchison	38	33	0	13	12	0	34.2	36.4	---
Audrain	306	268	15	121	98	12	39.5	36.6	80.0
Barry	396	285	3	138	94	2	34.8	33.0	66.7
Barton	124	115	0	46	43	0	37.1	37.4	---
Bates	177	168	1	84	78	0	47.5	46.4	0.0
Benton	147	141	0	67	62	0	45.6	44.0	---
Bollinger	127	124	0	50	50	0	39.4	40.3	---
Boone	1,922	1,402	256	627	357	165	32.6	25.5	64.5
Buchanan	983	755	49	547	399	34	55.6	52.8	69.4
Butler	549	480	34	295	240	28	53.7	50.0	82.4
Caldwell	100	94	0	40	39	0	40.0	41.5	---
Callaway	448	406	11	179	155	9	40.0	38.2	81.8
Camden	354	320	0	136	124	0	38.4	38.8	---
Cape Girardeau	875	644	127	359	205	106	41.0	31.8	83.5
Carroll	94	89	0	34	31	0	36.2	34.8	---
Carter	97	93	1	44	41	1	45.4	44.1	100.0
Cass	1,181	985	56	403	313	28	34.1	31.8	50.0
Cedar	204	189	1	74	66	0	36.3	34.9	0.0
Chariton	80	78	0	27	25	0	33.8	32.1	---
Christian	1,072	967	7	291	251	4	27.1	26.0	57.1
Clark	76	76	0	30	30	0	39.5	39.5	---
Clay	2,948	2,142	295	947	565	161	32.1	26.4	54.6
Clinton	231	214	0	90	78	0	39.0	36.4	---
Cole	838	637	119	330	203	88	39.4	31.9	73.9
Cooper	194	177	3	78	66	2	40.2	37.3	66.7
Crawford	240	229	1	109	104	0	45.4	45.4	0.0
Dade	57	54	1	18	15	1	31.6	27.8	100.0
Dallas	221	210	1	67	63	0	30.3	30.0	0.0
Daviess	104	102	0	26	26	0	25.0	25.5	---
Dekalb	87	82	0	26	24	0	29.9	29.3	---
Dent	143	132	0	65	61	0	45.5	46.2	---
Douglas	150	136	0	47	44	0	31.3	32.4	---

Table 9. Resident Live Births by Mother's Marital Status by Race of Mother with Percentages by County and Cities with 25,000 or More Population: Missouri, 2021

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Dunklin	366	261	59	220	137	52	60.1	52.5	88.1
Franklin	1,118	1,044	7	408	378	4	36.5	36.2	57.1
Gasconade	155	149	0	62	61	0	40.0	40.9	---
Gentry	75	75	0	23	23	0	30.7	30.7	---
Greene	3,267	2,699	127	1,299	984	101	39.8	36.5	79.5
Grundy	142	133	1	34	30	0	23.9	22.6	0.0
Harrison	84	79	0	29	25	0	34.5	31.6	---
Henry	264	249	0	144	135	0	54.5	54.2	---
Hickory	86	81	1	26	23	0	30.2	28.4	0.0
Holt	51	47	0	13	11	0	25.5	23.4	---
Howard	84	76	3	38	35	2	45.2	46.1	66.7
Howell	447	417	4	211	191	2	47.2	45.8	50.0
Iron	91	91	0	41	41	0	45.1	45.1	---
Jackson	8,348	4,293	2,088	4,118	1,354	1,629	49.3	31.5	78.0
Jasper	1,566	1,175	22	711	459	13	45.4	39.1	59.1
Jefferson	2,414	2,231	33	907	822	21	37.6	36.8	63.6
Johnson	706	582	17	196	157	5	27.8	27.0	29.4
Knox	43	42	0	12	11	0	27.9	26.2	---
Laclede	482	448	4	187	178	0	38.8	39.7	0.0
Lafayette	342	310	5	134	118	3	39.2	38.1	60.0
Lawrence	484	409	1	169	135	0	34.9	33.0	0.0
Lewis	89	87	0	33	32	0	37.1	36.8	---
Lincoln	807	742	7	267	233	5	33.1	31.4	71.4
Linn	138	133	0	49	46	0	35.5	34.6	---
Livingston	158	148	5	76	69	4	48.1	46.6	80.0
Macon	168	164	1	57	56	0	33.9	34.1	0.0
Madison	133	122	2	55	48	0	41.4	39.3	0.0
Maries	96	90	1	27	25	1	28.1	27.8	100.0
Marion	338	298	19	136	103	18	40.2	34.6	94.7
McDonald	337	198	10	149	81	0	44.2	40.9	0.0
Mercer	42	38	0	9	9	0	21.4	23.7	---
Miller	313	301	0	127	120	0	40.6	39.9	---
Mississippi	132	99	29	72	45	26	54.5	45.5	89.7
Moniteau	190	172	0	54	42	0	28.4	24.4	---
Monroe	89	82	3	32	28	2	36.0	34.1	66.7

Table 9. Resident Live Births by Mother's Marital Status by Race of Mother with Percentages by County and Cities with 25,000 or More Population: Missouri, 2021

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Montgomery	136	127	2	65	59	2	47.8	46.5	100.0
Morgan	254	247	0	94	89	0	37.0	36.0	---
New Madrid	202	140	40	121	67	38	59.9	47.9	95.0
Newton	692	539	6	285	212	2	41.2	39.3	33.3
Nodaway	228	221	0	61	61	0	26.8	27.6	---
Oregon	115	108	0	53	51	0	46.1	47.2	---
Osage	163	157	0	30	28	0	18.4	17.8	---
Ozark	77	77	0	32	32	0	41.6	41.6	---
Pemiscot	218	113	86	155	66	77	71.1	58.4	89.5
Perry	220	211	1	77	72	1	35.0	34.1	100.0
Pettis	598	462	20	251	173	16	42.0	37.4	80.0
Phelps	424	361	19	172	147	13	40.6	40.7	68.4
Pike	202	192	3	65	58	2	32.2	30.2	66.7
Platte	1,229	909	133	304	174	60	24.7	19.1	45.1
Polk	389	370	2	122	114	1	31.4	30.8	50.0
Pulaski	741	494	80	221	149	32	29.8	30.2	40.0
Putnam	48	48	0	17	17	0	35.4	35.4	---
Ralls	99	96	0	46	45	0	46.5	46.9	---
Randolph	279	251	6	128	108	6	45.9	43.0	100.0
Ray	258	245	0	113	105	0	43.8	42.9	---
Reynolds	53	50	2	33	30	2	62.3	60.0	100.0
Ripley	140	135	0	66	62	0	47.1	45.9	---
Saline	240	155	6	110	65	5	45.8	41.9	83.3
Schuyler	59	59	0	17	17	0	28.8	28.8	---
Scotland	87	84	1	12	10	1	13.8	11.9	100.0
Scott	466	365	67	228	153	54	48.9	41.9	80.6
Shannon	77	72	0	33	29	0	42.9	40.3	---
Shelby	64	60	0	18	16	0	28.1	26.7	---
St. Charles	4,220	3,386	269	992	692	142	23.5	20.4	52.8
St. Clair	115	108	0	33	28	0	28.7	25.9	---
St. Francois	677	641	5	320	301	4	47.3	47.0	80.0
St. Louis City	3,707	1,355	1,796	2,104	316	1,535	56.8	23.3	85.5
St. Louis County	10,494	5,541	3,444	4,181	971	2,728	39.8	17.5	79.2
Ste. Genevieve	192	187	1	66	66	0	34.4	35.3	0.0
Stoddard	327	303	6	139	126	4	42.5	41.6	66.7

Table 9. Resident Live Births by Mother's Marital Status by Race of Mother with Percentages by County and Cities with 25,000 or More Population: Missouri, 2021

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Stone	277	251	2	106	92	0	38.3	36.7	0.0
Sullivan	56	39	4	28	16	2	50.0	41.0	50.0
Taney	565	463	6	244	195	3	43.2	42.1	50.0
Texas	297	272	0	110	102	0	37.0	37.5	---
Vernon	253	237	2	109	98	2	43.1	41.4	100.0
Warren	433	392	6	171	143	6	39.5	36.5	100.0
Washington	272	264	1	141	137	1	51.8	51.9	100.0
Wayne	106	96	3	49	41	1	46.2	42.7	33.3
Webster	604	572	2	146	137	1	24.2	24.0	50.0
Worth	16	15	0	7	7	0	43.8	46.7	---
Wright	247	233	1	102	96	0	41.3	41.2	0.0

Multi-County Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Joplin	627	483	18	300	217	10	47.8	44.9	55.6
...Jasper Co. Part	576	447	15	279	201	9	48.4	45.0	60.0
...Newton Co. Part	51	36	3	21	16	1	41.2	44.4	33.3
Kansas City	6,314	2,971	1,819	2,983	745	1,380	47.2	25.1	75.9
...Jackson Co. Part	3,947	1,387	1,486	2,287	407	1,208	57.9	29.3	81.3
...Clay Co. Part	1,709	1,153	226	518	261	121	30.3	22.6	53.5
...Platte Co. Part	658	431	107	178	77	51	27.1	17.9	47.7
...Cass Co. Part	0	0	0	0	0	0	---	---	---

Table 9. Resident Live Births by Mother's Marital Status by Race of Mother with Percentages by County and Cities with 25,000 or More Population: Missouri, 2021

Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Ballwin	331	265	6	35	26	1	10.6	9.8	16.7
Blue Springs	614	474	45	211	140	29	34.4	29.5	64.4
Cape Girardeau	425	235	117	241	105	99	56.7	44.7	84.6
Chesterfield	370	251	16	36	23	7	9.7	9.2	43.8
Columbia	1,233	818	212	413	205	134	33.5	25.1	63.2
Florissant	621	184	373	377	70	274	60.7	38.0	73.5
Gladstone	330	221	32	143	86	21	43.3	38.9	65.6
Grandview	396	161	124	221	57	91	55.8	35.4	73.4
Hazelwood	290	88	167	169	32	123	58.3	36.4	73.7
Independence	1,342	786	179	752	392	138	56.0	49.9	77.1
Jefferson City	466	315	98	212	110	77	45.5	34.9	78.6
Kirkwood	275	242	18	27	16	9	9.8	6.6	50.0
Lee's Summit	1,043	794	112	255	148	68	24.4	18.6	60.7
Liberty	303	252	18	97	74	8	32.0	29.4	44.4
Maryland Heights	329	140	73	94	33	49	28.6	23.6	67.1
O'Fallon	978	781	52	221	164	27	22.6	21.0	51.9
Raytown	332	140	115	200	63	85	60.2	45.0	73.9
St. Charles	732	529	99	249	149	59	34.0	28.2	59.6
St. Joseph	862	647	49	497	357	34	57.7	55.2	69.4
St. Louis City	3,707	1,355	1,796	2,104	316	1,535	56.8	23.3	85.5
St. Peters	553	445	33	113	83	14	20.4	18.7	42.4
Springfield	1,814	1,419	103	911	670	87	50.2	47.2	84.5
University City	419	225	126	133	16	92	31.7	7.1	73.0
Wentzville	526	451	24	103	76	12	19.6	16.9	50.0
Wildwood	271	216	8	30	22	3	11.1	10.2	37.5

Table 10A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2021

	<u>All Races</u>		<u>White, Non-Hisp.</u>		<u>Black, Non-Hisp.</u>		<u>Other, Non-Hisp.*</u>		<u>Hispanic, Any Race</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	69,269	100.0	50,468	100.0	9,494	100.0	4,582	100.0	4,593	100.0
Birth Weight: Under 2500 Grams	6,158	8.9	3,763	7.5	1,542	16.3	456	10.0	378	8.2
Birth Weight: Above 4499 Grams	682	1.0	567	1.1	35	0.4	34	0.7	46	1.0
Gestational Age: Less than 37 Weeks	7,798	11.3	5,259	10.4	1,495	15.8	518	11.3	502	10.9
APGAR (5 Minutes): Less than 8	4,100	6.0	2,972	5.9	685	7.3	232	5.1	198	4.3
Infant Care: NICU Admission	7,059	10.2	4,847	9.6	1,305	13.7	467	10.2	411	8.9
Infant Care: Transfer to Other Facility	1,367	2.0	934	1.9	285	3.0	84	1.8	57	1.2
Place of Birth: At-Home Delivery	1,400	2.0	1,251	2.5	65	0.7	31	0.7	44	1.0
Method of Delivery: Cesarean	20,858	30.2	15,038	29.9	3,015	31.8	1,464	32.0	1,307	28.5
Infant Care: Breastfed After Delivery	53,066	78.9	39,808	81.2	6,013	65.0	3,590	80.8	3,579	80.8
Maternal Smoking: During Pregnancy	6,853	10.1	5,648	11.3	666	7.3	339	7.6	192	4.3
...Quit Smoking During Pregnancy	1,432	20.9	1,118	19.8	157	23.6	90	26.5	64	33.3
Mat. Weight: Underweight (BMI < 18.5)	2,055	3.0	1,513	3.0	248	2.7	179	4.0	111	2.5
Mat. Weight: Obese (BMI >= 30)	21,536	31.8	15,133	30.4	3,698	40.6	1,206	27.1	1,467	33.5
Mat. Sing. Wt. Gain: Low (< 15 lbs)	8,928	15.2	5,881	13.6	1,670	22.3	616	16.0	739	19.1
Mat. Sing. Wt. Gain: High (> 45 lbs)	12,366	21.1	9,345	21.5	1,544	20.7	764	19.8	696	18.0
Mother's Education: Under 12 Yrs.	7,585	11.0	4,646	9.2	1,197	12.7	545	11.9	1,186	26.0
Marital Status: Out-of-Wedlock	27,687	40.0	16,119	31.9	7,288	76.8	1,793	39.1	2,413	52.5
Live Birth Order: 4 or More	9,848	14.2	6,313	12.5	2,111	22.3	647	14.2	739	16.1
Birth Spacing: Less than 18 Months	5,166	12.6	3,532	11.9	947	16.0	353	13.4	320	11.7
Prenatal Care: 1st Trimester	48,931	73.1	37,926	77.0	5,287	60.0	2,937	66.6	2,723	61.7
Prenatal Care: 2nd Trimester	13,426	20.0	8,813	17.9	2,440	27.7	1,043	23.7	1,096	24.8
Prenatal Care: 3rd Trimester	3,193	4.8	1,841	3.7	689	7.8	282	6.4	365	8.3
Prenatal Care: None	1,428	2.1	652	1.3	392	4.5	146	3.3	227	5.1
Prenatal Care: Inadequate	12,606	19.1	7,386	15.2	2,820	32.7	1,068	24.6	1,283	29.5
Maternal Utilization: Medicaid	26,584	39.3	15,786	32.0	6,219	67.4	1,943	43.5	2,579	57.7
Maternal Utilization: WIC	19,187	28.3	11,411	23.0	4,403	48.3	1,308	30.0	2,039	45.7
Maternal Utilization: Food Stamps	14,365	22.4	7,527	16.1	4,926	56.6	1,024	24.4	859	20.6
Mother's Age: At Delivery	38	0.1	17	0.0	12	0.1	4	0.1	5	0.1
15-17	779	1.1	441	0.9	179	1.9	59	1.3	98	2.1
18-19	2,525	3.6	1,638	3.2	493	5.2	165	3.6	227	4.9
20-24	14,361	20.7	9,945	19.7	2,342	24.7	913	19.9	1,147	25.0
25-29	21,476	31.0	15,965	31.6	2,871	30.2	1,241	27.1	1,361	29.7
30-34	19,588	28.3	14,848	29.4	2,290	24.1	1,362	29.7	1,054	23.0
35-39	8,739	12.6	6,380	12.6	1,057	11.1	694	15.2	578	12.6
40 and Over	1,741	2.5	1,225	2.4	247	2.6	141	3.1	120	2.6

* Includes births to mothers of multiple races, but not mothers of unknown race.

Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Urban vs Rural Area: Missouri, 2021

	<u>Northeast</u>		<u>Northwest</u>		<u>Central</u>		<u>Southeast</u>		<u>Southwest</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	2,763	100.0	2,645	100.0	8,113	100.0	6,381	100.0	11,120	100.0
Birth Weight: Under 2500 Grams	234	8.5	202	7.7	658	8.1	601	9.4	840	7.6
Birth Weight: Above 4499 Grams	37	1.3	29	1.1	94	1.2	52	0.8	120	1.1
Gestational Age: Less than 37 Weeks	295	10.7	212	8.0	818	10.1	749	11.8	1,222	11.0
APGAR (5 Minutes): Less than 8	226	8.2	135	5.1	546	6.8	355	5.6	593	5.4
Infant Care: NICU Admission	214	7.7	196	7.4	812	10.0	515	8.1	1,167	10.5
Infant Care: Transfer to Other Facility	89	3.2	53	2.0	177	2.2	221	3.5	130	1.2
Place of Birth: At-Home Delivery	171	6.2	74	2.8	155	1.9	120	1.9	396	3.6
Method of Delivery: Cesarean	885	32.1	727	27.5	2,396	29.6	1,954	30.7	3,205	28.9
Infant Care: Breastfed After Delivery	2,153	81.5	1,938	74.6	6,224	79.3	4,014	64.2	8,816	81.5
Maternal Smoking: During Pregnancy	400	14.8	372	14.3	1,030	12.9	1,082	17.2	1,362	12.4
...Quit Smoking During Pregnancy	79	19.8	60	16.1	197	19.1	192	17.7	308	22.6
Mat. Weight: Underweight (BMI < 18.5)	74	2.8	81	3.1	226	2.8	233	3.7	403	3.7
Mat. Weight: Obese (BMI >= 30)	940	35.2	906	35.0	2,634	33.0	2,239	35.8	3,520	32.1
Mat. Sing. Wt. Gain: Low (< 15 lbs)	411	17.8	334	14.3	1,145	16.3	914	17.6	1,558	16.2
Mat. Sing. Wt. Gain: High (> 45 lbs)	416	18.0	568	24.3	1,379	19.6	1,173	22.6	2,005	20.8
Mother's Education: Under 12 Yrs.	526	19.1	341	12.9	970	12.0	893	14.0	1,708	15.4
Marital Status: Out-of-Wedlock	1,048	37.9	1,040	39.3	3,005	37.0	2,978	46.7	4,244	38.2
Live Birth Order: 4 or More	462	16.8	375	14.2	1,224	15.1	1,010	15.9	1,851	16.6
Birth Spacing: Less than 18 Months	229	12.9	202	12.2	586	11.9	634	16.0	959	14.0
Prenatal Care: 1st Trimester	2,005	74.2	1,994	76.9	5,971	75.4	4,663	74.7	7,947	72.9
Prenatal Care: 2nd Trimester	504	18.7	456	17.6	1,492	18.8	1,143	18.3	2,046	18.8
Prenatal Care: 3rd Trimester	168	6.2	111	4.3	357	4.5	343	5.5	573	5.3
Prenatal Care: None	25	0.9	33	1.3	97	1.2	96	1.5	337	3.1
Prenatal Care: Inadequate	623	23.1	411	15.9	1,454	18.5	1,187	19.0	2,241	20.6
Maternal Utilization: Medicaid	1,046	38.1	997	37.9	3,284	40.8	3,453	55.2	5,064	46.1
Maternal Utilization: WIC	860	31.9	740	28.3	2,313	29.1	2,800	44.5	3,787	34.8
Maternal Utilization: Food Stamps	477	19.5	477	19.1	1,553	19.8	1,853	31.4	2,309	21.8
Mother's Age: At Delivery	15-17	29	1.1	26	1.0	87	1.1	126	2.0	148
18-19	104	3.8	116	4.4	325	4.0	380	6.0	537	4.8
20-24	752	27.3	686	25.9	1,870	23.1	1,893	29.7	3,008	27.1
25-29	929	33.7	889	33.6	2,665	32.9	2,040	32.0	3,611	32.5
30-34	607	22.0	653	24.7	2,124	26.2	1,293	20.3	2,510	22.6
35-39	266	9.6	228	8.6	855	10.5	537	8.4	1,067	9.6
40 and Over	72	2.6	47	1.8	181	2.2	100	1.6	230	2.1
Under 15					5	0.1	8	0.1	6	0.1

Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Urban vs Rural Area: Missouri, 2021

	St. Louis Region		Kansas City Region		Urban		Rural		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Live Births	23,433	100.0	14,814	100.0	45,756	100.0	23,513	100.0	
Birth Weight: Under 2500 Grams	2,253	9.6	1,370	9.2	4,254	9.3	1,904	8.1	
Birth Weight: Above 4499 Grams	207	0.9	143	1.0	417	0.9	265	1.1	
Gestational Age: Less than 37 Weeks	2,812	12.0	1,690	11.4	5,251	11.5	2,547	10.9	
APGAR (5 Minutes): Less than 8	1,292	5.5	953	6.5	2,611	5.7	1,489	6.4	
Infant Care: NICU Admission	2,438	10.4	1,717	11.6	5,051	11.0	2,008	8.5	
Infant Care: Transfer to Other Facility	550	2.3	147	1.0	710	1.6	657	2.8	
Place of Birth: At-Home Delivery	162	0.7	322	2.2	566	1.2	834	3.5	
Method of Delivery: Cesarean	7,515	32.2	4,176	28.2	14,054	30.8	6,804	29.0	
Infant Care: Breastfed After Delivery	18,238	79.0	11,683	83.2	35,920	80.8	17,146	75.1	
Maternal Smoking: During Pregnancy	1,483	6.5	1,124	7.7	3,359	7.5	3,494	15.1	
...Quit Smoking During Pregnancy	341	23.0	255	22.7	776	23.1	656	18.8	
Mat. Weight: Underweight (BMI < 18.5)	605	2.7	433	3.0	1,322	3.0	733	3.2	
Mat. Weight: Obese (BMI >= 30)	6,751	29.6	4,546	31.4	13,486	30.2	8,050	34.9	
Mat. Sing. Wt. Gain: Low (< 15 lbs)	2,675	13.6	1,891	15.1	5,564	14.4	3,364	16.8	
Mat. Sing. Wt. Gain: High (> 45 lbs)	4,152	21.1	2,673	21.4	8,244	21.3	4,122	20.6	
Mother's Education: Under 12 Yrs.	1,649	7.1	1,498	10.2	4,015	8.8	3,570	15.2	
Marital Status: Out-of-Wedlock	9,139	39.0	6,233	42.1	18,405	40.2	9,282	39.5	
Live Birth Order: 4 or More	2,877	12.3	2,049	13.8	5,931	13.0	3,917	16.7	
Birth Spacing: Less than 18 Months	1,501	11.4	1,055	12.0	3,102	11.7	2,064	14.1	
Prenatal Care: 1st Trimester	15,786	71.4	10,565	72.8	32,077	72.8	16,854	73.5	
Prenatal Care: 2nd Trimester	4,769	21.6	3,016	20.8	8,921	20.3	4,505	19.6	
Prenatal Care: 3rd Trimester	952	4.3	689	4.7	1,973	4.5	1,220	5.3	
Prenatal Care: None	591	2.7	249	1.7	1,076	2.4	352	1.5	
Prenatal Care: Inadequate	3,904	18.1	2,786	19.4	8,068	18.6	4,538	19.9	
Maternal Utilization: Medicaid	7,058	31.4	5,682	39.4	16,353	36.8	10,231	44.2	
Maternal Utilization: WIC	5,034	22.1	3,653	25.2	11,195	25.1	7,992	34.6	
Maternal Utilization: Food Stamps	4,908	21.6	2,788	23.2	9,461	22.5	4,904	22.2	
Mother's Age: At Delivery	15-17	198	0.8	165	1.1	458	1.0	321	1.4
18-19	585	2.5	478	3.2	1,366	3.0	1,159	4.9	
20-24	3,365	14.4	2,787	18.8	7,957	17.4	6,404	27.2	
25-29	6,695	28.6	4,647	31.4	13,628	29.8	7,848	33.4	
30-34	7,966	34.0	4,435	30.0	14,391	31.5	5,197	22.1	
35-39	3,883	16.6	1,903	12.9	6,667	14.6	2,072	8.8	
40 and Over	726	3.1	385	2.6	1,259	2.8	482	2.1	
Under 15	13	0.1	6	0.0	19	0.0	19	0.1	

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Adair</u>	<u>Andrew</u>	<u>Atchison</u>	<u>Audrain</u>	<u>Barry</u>	<u>Barton</u>	<u>Bates</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	266	100.0	179	100.0	38	100.0	306	100.0
Birth Weight: Under 2500 Grams	24	9.0	12	6.7	1	2.6	36	11.8
Birth Weight: Above 4499 Grams	4	1.5	3	1.7	0	0.0	4	1.3
Gest. Age: Less than 37 Weeks	27	10.2	15	8.4	4	10.5	36	11.8
APGAR (5 Min.): Less than 8	40	15.1	6	3.4	2	5.3	19	6.3
Infant Care: NICU Admission	16	6.0	15	8.4	1	2.6	38	12.4
Infant Care: Transfer	14	5.3	4	2.2	1	2.6	8	2.6
Place of Birth: At-Home Delivery	9	3.4	0	0.0	0	0.0	10	3.3
Method of Delivery: Cesarean	110	41.4	49	27.4	11	28.9	98	32.1
Infant Care: Breastfed	228	90.1	143	81.3	34	89.5	233	79.5
Mat. Smoking: During Preg.	32	12.4	11	6.2	3	7.9	39	12.9
...Quit Smoking During Preg.	6	18.8	2	18.2	1	33.3	5	12.8
Mat. Wt.: Underweight	2	0.8	3	1.7	1	2.7	10	3.3
Mat. Wt.: Obese	103	39.2	62	34.6	11	29.7	96	31.8
Mat. Sing. Wt. Gain: Low	58	25.1	15	9.3	2	6.1	50	18.9
Mat. Sing. Wt. Gain: High	42	18.2	40	24.7	5	15.2	43	16.2
Mother's Education: Under 12 Yrs.	34	12.8	14	7.8	0	0.0	92	30.1
Marital Status: Out-of-Wedlock	112	42.1	65	36.3	13	34.2	121	39.5
Live Birth Order: 4 or More	46	17.4	24	13.4	4	10.5	64	20.9
Birth Spacing: Less than 18 Mos.	24	14.1	12	9.8	3	11.1	23	11.3
Prenatal Care: 1st Trimester	198	75.6	147	83.5	32	84.2	210	70.2
Prenatal Care: 2nd Trimester	51	19.5	22	12.5	5	13.2	50	16.7
Prenatal Care: 3rd Trimester	12	4.6	7	4.0	0	0.0	36	12.0
Prenatal Care: None	1	0.4	0	0.0	1	2.6	3	1.0
Prenatal Care: Inadequate	64	24.3	14	8.0	5	13.2	88	29.7
Maternal Utilization: Medicaid	102	38.3	51	28.7	14	37.8	124	40.5
Maternal Utilization: WIC	107	41.5	31	17.6	4	10.8	96	32.0
Maternal Utilization: FSP	53	21.7	22	12.6	1	4.2	59	19.9
Mothers' Age: At Delivery	Under 15	0	0.0	0	0.0	0.0	0	0.0
15-17	3	1.1	1	0.6	0	0.0	3	1.0
18-19	7	2.6	12	6.7	1	2.6	14	4.6
20-24	63	23.8	33	18.4	9	23.7	88	28.8
25-29	87	32.8	61	34.1	15	39.5	98	32.0
30-34	53	20.0	54	30.2	7	18.4	68	22.2
35-39	39	14.7	16	8.9	4	10.5	26	8.5
40 and Over	13	4.9	2	1.1	2	5.3	9	2.9

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Benton</u>	<u>Bollinger</u>	<u>Boone</u>	<u>Buchanan</u>	<u>Butler</u>	<u>Caldwell</u>	<u>Callaway</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	147	100.0	127	100.0	1,922	100.0	983	100.0
Birth Weight: Under 2500 Grams	8	5.4	11	8.7	166	8.6	103	10.5
Birth Weight: Above 4499 Grams	2	1.4	1	0.8	19	1.0	14	1.4
Gest. Age: Less than 37 Weeks	15	10.2	19	15.0	198	10.3	76	7.7
APGAR (5 Min.): Less than 8	9	6.1	10	7.9	136	7.1	29	3.0
Infant Care: NICU Admission	7	4.8	11	8.7	251	13.1	69	7.0
Infant Care: Transfer	0	0.0	0	0.0	9	0.5	15	1.5
Place of Birth: At-Home Delivery	5	3.4	3	2.4	27	1.4	9	0.9
Method of Delivery: Cesarean	47	32.0	41	32.5	670	34.9	271	27.6
Infant Care: Breastfed	108	79.4	89	71.8	1,606	86.9	675	70.0
Mat. Smoking: During Preg.	28	19.3	29	22.8	163	8.6	196	20.4
...Quit Smoking During Preg.	2	7.1	3	10.3	39	23.9	29	14.8
Mat. Wt.: Underweight	9	6.2	3	2.4	51	2.7	38	3.9
Mat. Wt.: Obese	63	43.4	46	36.5	517	27.7	344	35.3
Mat. Sing. Wt. Gain: Low	26	20.0	14	15.2	241	14.6	140	15.8
Mat. Sing. Wt. Gain: High	22	16.9	16	17.4	318	19.2	251	28.4
Mother's Education: Under 12 Yrs.	33	22.8	21	16.5	143	7.5	164	16.7
Marital Status: Out-of-Wedlock	67	45.6	50	39.4	627	32.6	547	55.6
Live Birth Order: 4 or More	21	14.3	20	15.7	219	11.4	145	14.8
Birth Spacing: Less than 18 Mos.	11	11.2	17	20.2	109	9.4	87	14.0
Prenatal Care: 1st Trimester	97	67.4	88	69.8	1,537	81.3	746	76.7
Prenatal Care: 2nd Trimester	30	20.8	28	22.2	277	14.7	159	16.4
Prenatal Care: 3rd Trimester	16	11.1	9	7.1	62	3.3	49	5.0
Prenatal Care: None	1	0.7	1	0.8	14	0.7	18	1.9
Prenatal Care: Inadequate	35	24.6	22	17.5	275	14.7	165	17.0
Maternal Utilization: Medicaid	59	43.1	62	49.2	655	34.1	529	54.1
Maternal Utilization: WIC	60	42.3	52	40.9	370	19.9	351	36.2
Maternal Utilization: FSP	40	29.9	35	28.7	320	17.4	289	30.9
Mothers' Age: At Delivery								
15-17	0	0.0	0	0.1	0	0.0	3	0.5
18-19	2	1.4	4	3.1	11	0.6	12	1.2
20-24	50	34.2	34	26.8	275	14.3	286	29.1
25-29	48	32.9	48	37.8	594	30.9	294	29.9
30-34	32	21.9	17	13.4	669	34.8	236	24.0
35-39	7	4.8	16	12.6	283	14.7	80	8.1
40 and Over	4	2.7	1	0.8	48	2.5	17	1.7

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Camden</u>	<u>Cape Girardeau</u>	<u>Carroll</u>	<u>Carter</u>	<u>Cass</u>	<u>Cedar</u>	<u>Chariton</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	354	100.0	875	100.0	94	100.0	97	100.0
Birth Weight: Under 2500 Grams	22	6.2	66	7.5	5	5.3	9	9.3
Birth Weight: Above 4499 Grams	4	1.1	12	1.4	1	1.1	0	0.0
Gest. Age: Less than 37 Weeks	30	8.5	83	9.5	8	8.5	9	9.3
APGAR (5 Min.); Less than 8	18	5.1	64	7.3	8	8.5	6	6.2
Infant Care: NICU Admission	30	8.5	81	9.3	9	9.6	5	5.2
Infant Care: Transfer	12	3.4	6	0.7	4	4.3	2	2.1
Place of Birth: At-Home Delivery	5	1.4	10	1.1	1	1.1	0	0.0
Method of Delivery: Cesarean	102	28.8	272	31.1	27	28.7	23	23.7
Infant Care: Breastfed	278	80.1	603	69.3	66	73.3	70	73.7
Mat. Smoking: During Preg.	48	13.6	98	11.3	15	16.1	23	24.7
...Quit Smoking During Preg.	13	27.1	28	28.6	1	6.7	2	8.7
Mat. Wt.: Underweight	12	3.4	29	3.3	3	3.3	2	2.2
Mat. Wt.: Obese	102	29.3	268	30.8	39	42.9	30	32.6
Mat. Sing. Wt. Gain: Low	43	13.7	108	15.8	26	31.3	11	13.4
Mat. Sing. Wt. Gain: High	67	21.4	164	24.0	10	12.0	28	34.1
Mother's Education: Under 12 Yrs.	21	5.9	86	9.8	7	7.4	13	13.4
Marital Status: Out-of-Wedlock	136	38.4	359	41.0	34	36.2	44	45.4
Live Birth Order: 4 or More	55	15.5	108	12.3	7	7.4	14	14.4
Birth Spacing: Less than 18 Mos.	22	10.5	71	13.2	5	8.9	6	10.7
Prenatal Care: 1st Trimester	265	77.7	698	81.4	73	80.2	78	81.3
Prenatal Care: 2nd Trimester	60	17.6	123	14.3	16	17.6	11	11.5
Prenatal Care: 3rd Trimester	16	4.7	28	3.3	1	1.1	6	6.3
Prenatal Care: None	0	0.0	9	1.0	1	1.1	1	1.0
Prenatal Care: Inadequate	49	14.7	117	13.6	11	12.1	21	21.6
Maternal Utilization: Medicaid	194	54.8	362	41.4	39	41.9	68	70.1
Maternal Utilization: WIC	116	33.6	190	22.0	27	29.0	52	54.2
Maternal Utilization: FSP	61	17.9	222	25.9	14	15.4	34	36.2
Mothers' Age: At Delivery	Under 15	0	0.0	1	0.1	0	0.0	0
	15-17	0	0.0	19	2.2	0	0.0	4
	18-19	16	4.5	30	3.4	5	5.3	4
	20-24	98	27.7	169	19.3	28	29.8	34
	25-29	104	29.4	269	30.7	35	37.2	27
	30-34	83	23.4	273	31.2	14	14.9	20
	35-39	44	12.4	101	11.5	7	7.4	6
	40 and Over	9	2.5	13	1.5	5	5.3	2

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Christian</u>	<u>Clark</u>	<u>Clay</u>	<u>Clinton</u>	<u>Cole</u>	<u>Cooper</u>	<u>Crawford</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	1,072	100.0	76	100.0	2,948	100.0	231	100.0
Birth Weight: Under 2500 Grams	65	6.1	4	5.3	226	7.7	18	7.8
Birth Weight: Above 4499 Grams	11	1.0	2	2.6	29	1.0	3	1.3
Gest. Age: Less than 37 Weeks	91	8.5	7	9.2	303	10.3	21	9.1
APGAR (5 Min.): Less than 8	44	4.1	2	2.6	186	6.3	14	6.1
Infant Care: NICU Admission	105	9.8	4	5.3	305	10.3	25	10.8
Infant Care: Transfer	6	0.6	3	3.9	43	1.5	2	0.9
Place of Birth: At-Home Delivery	11	1.0	7	9.2	49	1.7	3	1.3
Method of Delivery: Cesarean	270	25.2	25	32.9	886	30.1	50	21.6
Infant Care: Breastfed	929	88.4	45	64.3	2,304	86.9	187	84.2
Mat. Smoking: During Preg.	74	7.0	9	12.3	183	6.2	30	13.1
...Quit Smoking During Preg.	15	20.3	3	33.3	44	24.0	4	13.3
Mat. Wt.: Underweight	39	3.7	1	1.3	85	2.9	5	2.2
Mat. Wt.: Obese	286	27.0	20	26.3	888	30.6	87	38.0
Mat. Sing. Wt. Gain: Low	116	12.2	12	17.6	364	14.3	28	13.7
Mat. Sing. Wt. Gain: High	224	23.6	13	19.1	536	21.0	54	26.3
Mother's Education: Under 12 Yrs.	53	5.0	16	21.3	179	6.1	21	9.1
Marital Status: Out-of-Wedlock	291	27.1	30	39.5	947	32.1	90	39.0
Live Birth Order: 4 or More	152	14.2	7	9.2	341	11.6	28	12.1
Birth Spacing: Less than 18 Mos.	68	9.9	4	8.3	199	11.2	16	10.6
Prenatal Care: 1st Trimester	841	79.6	58	77.3	2,222	76.8	189	84.8
Prenatal Care: 2nd Trimester	142	13.4	14	18.7	517	17.9	27	12.1
Prenatal Care: 3rd Trimester	43	4.1	3	4.0	121	4.2	4	1.8
Prenatal Care: None	31	2.9	0	0.0	34	1.2	3	1.3
Prenatal Care: Inadequate	160	15.2	14	19.2	419	14.7	20	9.0
Maternal Utilization: Medicaid	381	35.6	29	38.7	779	27.8	81	35.4
Maternal Utilization: WIC	266	25.2	25	32.9	468	16.3	53	23.1
Maternal Utilization: FSP	145	13.8	10	26.3	330	12.8	34	15.8
Mothers' Age: At Delivery								
15-17	1	0.1	0	0.0	0	0.0	0	0.5
18-19	5	0.5	1	1.3	19	0.6	4	1.7
20-24	228	21.3	25	32.9	413	14.0	62	26.8
25-29	371	34.6	25	32.9	991	33.6	72	31.2
30-34	300	28.0	14	18.4	973	33.0	55	23.8
35-39	116	10.8	6	7.9	401	13.6	27	11.7
40 and Over	23	2.1	0	0.0	75	2.5	6	2.6

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Dade</u>	<u>Dallas</u>	<u>Davies</u>	<u>DeKalb</u>	<u>Dent</u>	<u>Douglas</u>	<u>Dunklin</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	57	100.0	221	100.0	104	100.0	87	100.0
Birth Weight: Under 2500 Grams	3	5.3	12	5.4	5	4.8	4	4.6
Birth Weight: Above 4499 Grams	2	3.5	2	0.9	2	1.9	0	0.0
Gest. Age: Less than 37 Weeks	8	14.0	27	12.2	12	11.8	4	4.7
APGAR (5 Min.): Less than 8	2	3.6	9	4.1	9	8.7	3	3.5
Infant Care: NICU Admission	4	7.0	17	7.7	10	9.6	4	4.6
Infant Care: Transfer	2	3.5	5	2.3	3	2.9	1	1.1
Place of Birth: At-Home Delivery	3	5.3	19	8.6	25	24.0	0	0.0
Method of Delivery: Cesarean	9	15.8	57	25.8	23	22.1	25	28.7
Infant Care: Breastfed	42	76.4	178	81.3	86	83.5	65	74.7
Mat. Smoking: During Preg.	5	8.9	43	19.5	8	7.7	13	14.9
...Quit Smoking During Preg.	1	20.0	9	20.9	1	12.5	1	7.7
Mat. Wt.: Underweight	2	3.6	9	4.1	1	1.3	2	2.3
Mat. Wt.: Obese	19	34.5	71	32.6	27	34.2	37	42.5
Mat. Sing. Wt. Gain: Low	5	10.6	38	20.0	13	20.3	13	15.9
Mat. Sing. Wt. Gain: High	9	19.1	31	16.3	17	26.6	21	25.6
Mother's Education: Under 12 Yrs.	8	14.3	60	27.1	43	41.3	13	14.9
Marital Status: Out-of-Wedlock	18	31.6	67	30.3	26	25.0	26	29.9
Live Birth Order: 4 or More	13	22.8	57	25.8	28	26.9	14	16.1
Birth Spacing: Less than 18 Mos.	5	12.5	19	12.6	5	7.2	5	8.5
Prenatal Care: 1st Trimester	36	63.2	152	69.7	58	59.2	70	80.5
Prenatal Care: 2nd Trimester	12	21.1	49	22.5	32	32.7	14	16.1
Prenatal Care: 3rd Trimester	9	15.8	9	4.1	7	7.1	1	1.1
Prenatal Care: None	0	0.0	8	3.7	1	1.0	2	2.3
Prenatal Care: Inadequate	18	31.6	52	23.7	34	33.7	13	15.1
Maternal Utilization: Medicaid	26	47.3	98	44.5	31	30.4	26	29.9
Maternal Utilization: WIC	22	40.7	59	27.3	22	21.8	15	17.4
Maternal Utilization: FSP	10	18.5	37	17.2	12	12.1	11	13.3
Mothers' Age: At Delivery	Under 15	0	0.0	1	0.5	0	0.0	0
15-17	1	1.8	1	0.5	2	1.9	0	0.0
18-19	4	7.0	12	5.4	2	1.9	4	4.6
20-24	14	24.6	69	31.2	32	30.8	20	23.0
25-29	21	36.8	68	30.8	36	34.6	31	35.6
30-34	11	19.3	44	19.9	18	17.3	21	24.1
35-39	5	8.8	19	8.6	11	10.6	9	10.3
40 and Over	1	1.8	7	3.2	3	2.9	2	2.3

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Franklin</u>	<u>Gasconade</u>	<u>Gentry</u>	<u>Greene</u>	<u>Grundy</u>	<u>Harrison</u>	<u>Henry</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	1,118	100.0	155	100.0	75	100.0	3,267	100.0
Birth Weight: Under 2500 Grams	78	7.0	14	9.0	5	6.7	246	7.5
Birth Weight: Above 4499 Grams	15	1.3	3	1.9	0	0.0	40	1.2
Gest. Age: Less than 37 Weeks	119	10.7	14	9.2	9	12.0	350	10.7
APGAR (5 Min.): Less than 8	70	6.3	15	9.9	2	3.0	161	4.9
Infant Care: NICU Admission	90	8.1	12	7.7	6	8.0	369	11.3
Infant Care: Transfer	22	2.0	6	3.9	1	1.3	25	0.8
Place of Birth: At-Home Delivery	13	1.2	2	1.3	8	10.7	38	1.2
Method of Delivery: Cesarean	358	32.1	46	29.9	19	25.3	960	29.4
Infant Care: Breastfed	857	77.6	111	72.5	68	90.7	2,586	81.7
Mat. Smoking: During Preg.	145	13.3	25	16.2	10	13.7	380	11.8
...Quit Smoking During Preg.	31	21.4	4	16.0	2	20.0	92	24.2
Mat. Wt.: Underweight	27	2.4	4	2.6	2	2.7	136	4.2
Mat. Wt.: Obese	364	32.9	47	30.7	29	38.7	986	30.8
Mat. Sing. Wt. Gain: Low	153	15.8	19	14.2	7	10.6	403	14.3
Mat. Sing. Wt. Gain: High	207	21.4	26	19.4	15	22.7	669	23.8
Mother's Education: Under 12 Yrs.	99	8.9	21	13.5	13	17.6	337	10.4
Marital Status: Out-of-Wedlock	408	36.5	62	40.0	23	30.7	1,299	39.8
Live Birth Order: 4 or More	156	14.0	18	11.6	20	26.7	424	13.0
Birth Spacing: Less than 18 Mos.	90	13.2	17	17.9	10	19.2	232	12.3
Prenatal Care: 1st Trimester	877	80.3	124	81.6	59	79.7	2,368	73.5
Prenatal Care: 2nd Trimester	169	15.5	21	13.8	11	14.9	532	16.5
Prenatal Care: 3rd Trimester	32	2.9	4	2.6	3	4.1	166	5.2
Prenatal Care: None	14	1.3	3	2.0	1	1.4	154	4.8
Prenatal Care: Inadequate	134	12.4	23	15.2	15	20.0	682	21.3
Maternal Utilization: Medicaid	336	30.8	64	42.7	23	30.7	1,500	46.1
Maternal Utilization: WIC	225	20.5	39	25.3	12	16.2	1,162	36.4
Maternal Utilization: FSP	174	15.9	29	18.8	10	13.7	691	21.8
Mothers' Age: At Delivery								
15-17	1	0.1	0	0.0	0	0.0	0	0.0
18-19	14	1.3	1	0.6	1	1.3	37	1.1
20-24	218	19.5	34	21.9	11	14.7	791	24.2
25-29	388	34.7	66	42.6	32	42.7	1,046	32.0
30-34	326	29.2	24	15.5	16	21.3	845	25.9
35-39	116	10.4	19	12.3	12	16.0	356	10.9
40 and Over	21	1.9	3	1.9	1	1.3	56	1.7

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Hickory</u>	<u>Holt</u>	<u>Howard</u>	<u>Howell</u>	<u>Iron</u>	<u>Jackson</u>	<u>Jasper</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	86	100.0	51	100.0	84	100.0	447	100.0
Birth Weight: Under 2500 Grams	5	5.8	3	6.0	6	7.1	38	8.5
Birth Weight: Above 4499 Grams	2	2.3	1	2.0	0	0.0	3	0.7
Gest. Age: Less than 37 Weeks	8	9.3	2	3.9	7	8.3	45	10.1
APGAR (5 Min.): Less than 8	6	7.1	2	3.9	3	3.6	29	6.5
Infant Care: NICU Admission	6	7.0	3	5.9	7	8.3	25	5.6
Infant Care: Transfer	3	3.5	1	2.0	0	0.0	14	3.1
Place of Birth: At-Home Delivery	6	7.0	2	3.9	0	0.0	13	2.9
Method of Delivery: Cesarean	25	29.1	23	45.1	33	39.3	88	19.7
Infant Care: Breastfed	63	74.1	35	68.6	66	79.5	332	76.0
Mat. Smoking: During Preg.	21	24.4	8	16.0	15	18.1	78	17.5
...Quit Smoking During Preg.	8	38.1	4	50.0	3	20.0	17	21.8
Mat. Wt.: Underweight	2	2.3	0	0.0	2	2.4	13	2.9
Mat. Wt.: Obese	34	39.5	21	41.2	33	39.8	162	36.2
Mat. Sing. Wt. Gain: Low	11	14.3	8	17.0	14	18.9	82	20.8
Mat. Sing. Wt. Gain: High	19	24.7	16	34.0	19	25.7	69	17.5
Mother's Education: Under 12 Yrs.	19	22.1	4	7.8	7	8.3	59	13.2
Marital Status: Out-of-Wedlock	26	30.2	13	25.5	38	45.2	211	47.2
Live Birth Order: 4 or More	15	17.4	7	13.7	10	11.9	83	18.6
Birth Spacing: Less than 18 Mos.	11	21.6	3	9.4	6	10.9	41	14.2
Prenatal Care: 1st Trimester	55	65.5	43	86.0	70	83.3	337	76.8
Prenatal Care: 2nd Trimester	16	19.0	6	12.0	12	14.3	76	17.3
Prenatal Care: 3rd Trimester	9	10.7	1	2.0	2	2.4	21	4.8
Prenatal Care: None	4	4.8	0	0.0	0	0.0	5	1.1
Prenatal Care: Inadequate	25	29.8	3	6.0	14	16.7	79	17.9
Maternal Utilization: Medicaid	47	54.7	15	29.4	41	48.8	298	66.7
Maternal Utilization: WIC	37	44.0	12	23.5	27	32.9	228	51.7
Maternal Utilization: FSP	26	31.0	8	16.0	17	21.5	153	36.3
Mothers' Age: At Delivery	Under 15	0	0.0	0	0.0	0.0	0	0.0
15-17	0	0.0	3	5.9	0	0.0	7	1.6
18-19	3	3.5	0	0.0	2	2.4	35	7.8
20-24	33	38.4	9	17.6	22	26.2	135	30.2
25-29	27	31.4	21	41.2	30	35.7	138	30.9
30-34	15	17.4	14	27.5	19	22.6	93	20.8
35-39	6	7.0	4	7.8	9	10.7	33	7.4
40 and Over	2	2.3	0	0.0	2	2.4	6	1.3

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Jefferson</u>	<u>Johnson</u>	<u>Knox</u>	<u>Laclede</u>	<u>Lafayette</u>	<u>Lawrence</u>	<u>Lewis</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	2,414	100.0	706	100.0	43	100.0	482	100.0
Birth Weight: Under 2500 Grams	202	8.4	47	6.7	1	2.3	26	5.4
Birth Weight: Above 4499 Grams	30	1.2	6	0.9	0	0.0	5	1.0
Gest. Age: Less than 37 Weeks	305	12.7	57	8.1	3	7.0	33	6.8
APGAR (5 Min.): Less than 8	123	5.1	49	7.0	7	16.3	23	4.8
Infant Care: NICU Admission	269	11.1	51	7.2	2	4.7	36	7.5
Infant Care: Transfer	38	1.6	15	2.1	2	4.7	19	3.9
Place of Birth: At-Home Delivery	26	1.1	17	2.4	8	18.6	5	1.0
Method of Delivery: Cesarean	875	36.4	183	25.9	5	11.9	132	27.4
Infant Care: Breastfed	1,821	76.9	504	73.3	29	78.4	330	69.9
Mat. Smoking: During Preg.	266	11.3	61	8.8	9	22.0	92	19.2
...Quit Smoking During Preg.	54	20.3	14	23.0	2	22.2	13	14.1
Mat. Wt.: Underweight	78	3.3	18	2.6	1	2.3	15	3.1
Mat. Wt.: Obese	792	33.3	213	30.4	10	23.3	172	35.9
Mat. Sing. Wt. Gain: Low	281	13.9	64	10.2	8	20.0	74	17.1
Mat. Sing. Wt. Gain: High	452	22.3	130	20.7	6	15.0	80	18.5
Mother's Education: Under 12 Yrs.	172	7.1	46	6.5	21	48.8	68	14.2
Marital Status: Out-of-Wedlock	907	37.6	196	27.8	12	27.9	187	38.8
Live Birth Order: 4 or More	256	10.6	71	10.1	13	30.2	97	20.2
Birth Spacing: Less than 18 Mos.	152	11.2	52	12.7	4	13.3	47	15.7
Prenatal Care: 1st Trimester	1,613	69.8	514	74.7	21	51.2	341	71.9
Prenatal Care: 2nd Trimester	598	25.9	137	19.9	16	39.0	104	21.9
Prenatal Care: 3rd Trimester	79	3.4	31	4.5	4	9.8	21	4.4
Prenatal Care: None	22	1.0	6	0.9	0	0.0	8	1.7
Prenatal Care: Inadequate	342	15.1	104	15.2	17	41.5	89	18.8
Maternal Utilization: Medicaid	659	28.3	166	23.7	14	32.6	295	61.2
Maternal Utilization: WIC	427	18.0	174	24.9	17	39.5	183	38.3
Maternal Utilization: FSP	363	15.4	66	10.0	10	23.3	112	23.8
Mothers' Age: At Delivery								
15-17	0	0.0	0	0.0	0	0.0	0	0.0
18-19	17	0.7	5	0.7	1	2.3	7	1.5
20-24	63	2.6	23	3.3	0	0.0	33	6.8
25-29	411	17.0	178	25.2	17	39.5	154	32.0
30-34	834	34.5	242	34.3	12	27.9	142	29.5
35-39	732	30.3	197	27.9	7	16.3	95	19.7
40 and Over	301	12.5	53	7.5	3	7.0	41	8.5

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Lincoln</u>	<u>Linn</u>	<u>Livingston</u>	<u>Macon</u>	<u>Madison</u>	<u>Maries</u>	<u>Marion</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	807	100.0	138	100.0	158	100.0	168	100.0
Birth Weight: Under 2500 Grams	61	7.6	7	5.1	16	10.1	11	6.5
Birth Weight: Above 4499 Grams	13	1.6	4	2.9	2	1.3	2	1.2
Gest. Age: Less than 37 Weeks	81	10.0	12	8.8	15	9.6	15	8.9
APGAR (5 Min.); Less than 8	33	4.1	9	6.6	12	7.6	17	10.2
Infant Care: NICU Admission	73	9.0	7	5.1	16	10.1	14	8.3
Infant Care: Transfer	12	1.5	3	2.2	7	4.4	2	1.2
Place of Birth: At-Home Delivery	8	1.0	3	2.2	4	2.5	19	11.3
Method of Delivery: Cesarean	233	28.9	43	31.6	49	31.2	44	26.2
Infant Care: Breastfed	627	78.4	109	80.1	106	73.6	138	85.2
Mat. Smoking: During Preg.	90	11.3	20	14.7	28	18.2	20	12.0
...Quit Smoking During Preg.	22	24.4	6	30.0	5	17.9	3	15.0
Mat. Wt.: Underweight	22	2.8	3	2.3	8	5.2	5	3.0
Mat. Wt.: Obese	289	36.1	44	33.3	48	31.2	58	34.9
Mat. Sing. Wt. Gain: Low	113	16.3	14	12.0	23	17.3	21	13.9
Mat. Sing. Wt. Gain: High	164	23.6	28	23.9	28	21.1	29	19.2
Mother's Education: Under 12 Yrs.	56	6.9	16	11.6	18	11.4	29	17.3
Marital Status: Out-of-Wedlock	267	33.1	49	35.5	76	48.1	57	33.9
Live Birth Order: 4 or More	97	12.0	15	10.9	11	7.0	19	11.3
Birth Spacing: Less than 18 Mos.	50	10.8	13	14.3	16	16.7	10	9.6
Prenatal Care: 1st Trimester	576	75.6	105	77.8	127	81.9	119	71.7
Prenatal Care: 2nd Trimester	162	21.3	21	15.6	23	14.8	33	19.9
Prenatal Care: 3rd Trimester	20	2.6	6	4.4	3	1.9	12	7.2
Prenatal Care: None	4	0.5	3	2.2	2	1.3	2	1.2
Prenatal Care: Inadequate	112	14.9	26	19.3	23	15.0	38	22.8
Maternal Utilization: Medicaid	222	28.2	58	42.3	79	50.0	59	35.1
Maternal Utilization: WIC	141	17.6	42	30.9	68	43.3	42	25.5
Maternal Utilization: FSP	106	13.4	23	17.2	31	20.7	25	15.3
Mothers' Age: At Delivery	Under 15	1	0.1	0	0.0	0	0	0.0
15-17	5	0.6	0	0.0	3	1.9	1	0.6
18-19	25	3.1	6	4.3	6	3.8	8	4.8
20-24	151	18.7	41	29.7	68	43.0	40	23.8
25-29	297	36.8	47	34.1	48	30.4	64	38.1
30-34	239	29.6	27	19.6	20	12.7	38	22.6
35-39	75	9.3	14	10.1	8	5.1	15	8.9
40 and Over	14	1.7	3	2.2	5	3.2	2	1.2

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>McDonald</u>	<u>Mercer</u>	<u>Miller</u>	<u>Mississippi</u>	<u>Moniteau</u>	<u>Monroe</u>	<u>Montgomery</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	337	100.0	42	100.0	313	100.0	132	100.0
Birth Weight: Under 2500 Grams	25	7.4	2	4.9	24	7.7	14	10.6
Birth Weight: Above 4499 Grams	3	0.9	0	0.0	3	1.0	1	0.8
Gest. Age: Less than 37 Weeks	41	12.2	3	7.1	33	10.6	18	13.7
APGAR (5 Min.): Less than 8	19	5.7	2	5.0	13	4.2	14	10.7
Infant Care: NICU Admission	48	14.2	2	4.8	30	9.6	10	7.6
Infant Care: Transfer	3	0.9	0	0.0	8	2.6	4	3.0
Place of Birth: At-Home Delivery	12	3.6	12	28.6	3	1.0	0	0.0
Method of Delivery: Cesarean	92	27.3	7	16.7	84	26.8	51	38.6
Infant Care: Breastfed	258	77.7	34	85.0	232	76.1	57	44.5
Mat. Smoking: During Preg.	41	12.2	5	12.5	51	16.5	20	15.5
...Quit Smoking During Preg.	4	9.8	1	20.0	5	9.8	7	35.0
Mat. Wt.: Underweight	15	4.5	2	8.0	4	1.3	4	3.0
Mat. Wt.: Obese	131	39.3	5	20.0	121	38.8	47	35.6
Mat. Sing. Wt. Gain: Low	60	21.1	3	13.0	47	17.0	21	21.2
Mat. Sing. Wt. Gain: High	44	15.4	2	8.7	54	19.6	22	22.2
Mother's Education: Under 12 Yrs.	97	29.1	21	50.0	39	12.5	18	13.6
Marital Status: Out-of-Wedlock	149	44.2	9	21.4	127	40.6	72	54.5
Live Birth Order: 4 or More	76	22.6	9	21.4	41	13.1	11	8.3
Birth Spacing: Less than 18 Mos.	43	19.1	5	19.2	22	11.5	14	19.4
Prenatal Care: 1st Trimester	185	57.5	13	31.0	226	73.9	95	73.6
Prenatal Care: 2nd Trimester	99	30.7	21	50.0	59	19.3	30	23.3
Prenatal Care: 3rd Trimester	31	9.6	6	14.3	18	5.9	4	3.1
Prenatal Care: None	7	2.2	2	4.8	3	1.0	0	0.0
Prenatal Care: Inadequate	91	28.4	25	59.5	57	19.0	23	17.6
Maternal Utilization: Medicaid	176	53.2	6	14.3	155	49.7	70	53.4
Maternal Utilization: WIC	142	43.4	0	0.0	106	34.2	76	59.8
Maternal Utilization: FSP	66	25.8	1	3.0	70	23.0	50	40.3
Mothers' Age: At Delivery								
Under 15	0	0.0	0	0.0	1	0.3	1	0.8
15-17	10	3.0	0	0.0	3	1.0	2	1.5
18-19	25	7.4	0	0.0	15	4.8	12	9.1
20-24	110	32.6	18	42.9	83	26.5	46	34.8
25-29	97	28.8	13	31.0	131	41.9	45	34.1
30-34	57	16.9	8	19.0	55	17.6	17	12.9
35-39	33	9.8	2	4.8	18	5.8	6	4.5
40 and Over	5	1.5	1	2.4	7	2.2	3	2.3

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Morgan</u>	<u>New Madrid</u>	<u>Newton</u>	<u>Nodaway</u>	<u>Oregon</u>	<u>Osage</u>	<u>Ozark</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	254	100.0	202	100.0	692	100.0	228	100.0
Birth Weight: Under 2500 Grams	18	7.1	30	14.9	48	6.9	13	5.7
Birth Weight: Above 4499 Grams	4	1.6	2	1.0	5	0.7	1	0.4
Gest. Age: Less than 37 Weeks	21	8.3	35	17.3	69	10.0	21	9.2
APGAR (5 Min.): Less than 8	22	8.7	16	7.9	31	4.5	18	7.9
Infant Care: NICU Admission	15	5.9	16	7.9	72	10.4	21	9.2
Infant Care: Transfer	7	2.8	7	3.5	4	0.6	6	2.6
Place of Birth: At-Home Delivery	20	7.9	0	0.0	12	1.7	5	2.2
Method of Delivery: Cesarean	54	21.3	62	30.7	235	34.1	69	30.3
Infant Care: Breastfed	204	82.3	75	38.7	557	81.6	182	79.8
Mat. Smoking: During Preg.	36	14.3	37	18.6	78	11.5	26	11.5
...Quit Smoking During Preg.	6	16.7	6	16.2	16	20.5	2	7.7
Mat. Wt.: Underweight	17	6.8	8	4.0	26	3.8	9	4.0
Mat. Wt.: Obese	68	27.3	96	48.2	244	35.5	84	37.7
Mat. Sing. Wt. Gain: Low	34	15.2	30	19.9	127	20.6	33	16.6
Mat. Sing. Wt. Gain: High	38	17.0	35	23.2	113	18.3	45	22.6
Mother's Education: Under 12 Yrs.	97	38.3	28	13.9	120	17.4	14	6.2
Marital Status: Out-of-Wedlock	94	37.0	121	59.9	285	41.2	61	26.8
Live Birth Order: 4 or More	66	26.0	21	10.4	116	16.8	34	14.9
Birth Spacing: Less than 18 Mos.	25	14.6	23	18.1	54	12.9	8	5.7
Prenatal Care: 1st Trimester	161	66.5	139	70.9	497	73.6	190	85.2
Prenatal Care: 2nd Trimester	69	28.5	36	18.4	130	19.3	25	11.2
Prenatal Care: 3rd Trimester	8	3.3	20	10.2	38	5.6	7	3.1
Prenatal Care: None	4	1.7	1	0.5	10	1.5	1	0.4
Prenatal Care: Inadequate	55	22.8	43	21.7	112	16.6	24	10.9
Maternal Utilization: Medicaid	107	42.3	130	64.4	331	48.4	66	28.9
Maternal Utilization: WIC	77	30.7	96	48.7	219	32.1	61	27.1
Maternal Utilization: FSP	54	21.8	76	40.4	138	20.9	24	10.8
Mothers' Age: At Delivery								
Under 15	0	0.0	0	0.0	0	0.0	0	0.0
15-17	4	1.6	6	3.0	13	1.9	1	0.4
18-19	14	5.5	13	6.4	37	5.3	4	1.8
20-24	69	27.2	77	38.1	203	29.3	50	21.9
25-29	82	32.3	59	29.2	227	32.8	87	38.2
30-34	57	22.4	34	16.8	135	19.5	58	25.4
35-39	21	8.3	9	4.5	62	9.0	24	10.5
40 and Over	7	2.8	4	2.0	15	2.2	4	1.8

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Pemiscot</u>	<u>Perry</u>	<u>Pettis</u>	<u>Phelps</u>	<u>Pike</u>	<u>Platte</u>	<u>Polk</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	2,18	100.0	220	100.0	598	100.0	424	100.0
Birth Weight: Under 2500 Grams	25	11.5	9	4.1	51	8.5	32	7.5
Birth Weight: Above 4499 Grams	2	0.9	3	1.4	8	1.3	4	0.9
Gest. Age: Less than 37 Weeks	29	13.3	19	8.6	69	11.6	41	9.7
APGAR (5 Min.); Less than 8	10	4.6	11	5.0	60	10.1	24	5.7
Infant Care: NICU Admission	17	7.8	18	8.2	64	10.7	29	6.8
Infant Care: Transfer	4	1.8	5	2.3	11	1.8	12	2.8
Place of Birth: At-Home Delivery	1	0.5	1	0.5	17	2.8	14	3.3
Method of Delivery: Cesarean	80	36.7	81	36.8	177	29.6	114	26.9
Infant Care: Breastfed	95	44.6	169	77.2	409	73.6	317	74.9
Mat. Smoking: During Preg.	29	13.5	37	16.8	87	14.9	69	16.3
...Quit Smoking During Preg.	3	10.3	14	37.8	17	19.5	14	20.3
Mat. Wt.: Underweight	13	6.2	7	3.2	12	2.1	15	3.5
Mat. Wt.: Obese	86	41.1	68	30.9	208	35.7	158	37.4
Mat. Sing. Wt. Gain: Low	27	15.6	25	13.2	101	19.5	77	20.6
Mat. Sing. Wt. Gain: High	43	24.9	42	22.2	103	19.9	57	15.3
Mother's Education: Under 12 Yrs.	42	19.3	20	9.1	112	18.9	38	9.0
Marital Status: Out-of-Wedlock	155	71.1	77	35.0	251	42.0	172	40.6
Live Birth Order: 4 or More	52	24.1	22	10.0	138	23.1	57	13.5
Birth Spacing: Less than 18 Mos.	22	15.4	14	10.1	37	10.4	43	16.4
Prenatal Care: 1st Trimester	131	61.5	181	83.4	382	65.7	282	68.1
Prenatal Care: 2nd Trimester	53	24.9	25	11.5	155	26.7	100	24.2
Prenatal Care: 3rd Trimester	26	12.2	8	3.7	36	6.2	21	5.1
Prenatal Care: None	3	1.4	3	1.4	8	1.4	11	2.7
Prenatal Care: Inadequate	65	30.5	25	11.6	140	24.1	96	23.2
Maternal Utilization: Medicaid	138	65.1	72	33.0	303	52.0	203	48.2
Maternal Utilization: WIC	108	50.5	68	31.6	242	40.9	130	30.8
Maternal Utilization: FSP	60	60.0	40	18.2	152	26.9	82	19.7
Mothers' Age: At Delivery	Under 15	0	0	0	1	0.2	0	0.0
15-17	6	2.8	3	1.4	8	1.3	4	0.9
18-19	20	9.2	5	2.3	31	5.2	25	5.9
20-24	72	33.0	47	21.4	161	26.9	109	25.7
25-29	72	33.0	100	45.5	174	29.1	132	31.1
30-34	34	15.6	44	20.0	145	24.2	109	25.7
35-39	11	5.0	18	8.2	59	9.9	36	8.5
40 and Over	3	1.4	3	1.4	19	3.2	9	2.1

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Pulaski</u>	<u>Putnam</u>	<u>Ralls</u>	<u>Randolph</u>	<u>Ray</u>	<u>Reynolds</u>	<u>Ripley</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	741	100.0	48	100.0	99	100.0	279	100.0
Birth Weight: Under 2500 Grams	49	6.6	1	2.1	14	14.1	28	10.0
Birth Weight: Above 4499 Grams	8	1.1	1	2.1	1	0.4	3	1.2
Gest. Age: Less than 37 Weeks	61	8.3	4	8.3	12	12.1	40	14.3
APGAR (5 Min.): Less than 8	56	7.6	1	2.1	7	7.1	23	8.4
Infant Care: NICU Admission	51	6.9	0	0.0	7	7.1	46	16.5
Infant Care: Transfer	29	3.9	1	2.1	3	3.0	7	2.5
Place of Birth: At-Home Delivery	8	1.1	4	8.3	0	0.0	5	1.8
Method of Delivery: Cesarean	184	24.9	17	35.4	40	40.4	98	35.1
Infant Care: Breastfed	551	77.4	40	85.1	83	86.5	212	79.1
Mat. Smoking: During Preg.	52	7.1	5	10.4	19	19.6	47	17.0
...Quit Smoking During Preg.	16	30.8	1	20.0	4	21.1	6	12.8
Mat. Wt.: Underweight	20	2.7	3	6.4	8	8.1	8	2.9
Mat. Wt.: Obese	241	32.8	15	31.9	41	41.4	106	38.7
Mat. Sing. Wt. Gain: Low	102	15.7	10	25.0	15	18.1	43	18.6
Mat. Sing. Wt. Gain: High	127	19.5	4	10.0	11	13.3	46	19.9
Mother's Education: Under 12 Yrs.	48	6.5	11	22.9	10	10.1	43	15.5
Marital Status: Out-of-Wedlock	221	29.8	17	35.4	46	46.5	128	45.9
Live Birth Order: 4 or More	94	12.7	10	20.8	12	12.1	32	11.5
Birth Spacing: Less than 18 Mos.	58	13.5	5	17.9	7	12.3	18	11.0
Prenatal Care: 1st Trimester	501	71.2	34	70.8	81	82.7	195	70.7
Prenatal Care: 2nd Trimester	151	21.4	12	25.0	12	12.2	48	17.4
Prenatal Care: 3rd Trimester	37	5.3	2	4.2	5	5.1	31	11.2
Prenatal Care: None	15	2.1	0	0.0	0	0.0	2	0.7
Prenatal Care: Inadequate	156	22.5	15	31.3	11	11.2	68	24.6
Maternal Utilization: Medicaid	218	29.5	15	31.3	35	36.1	127	45.5
Maternal Utilization: WIC	200	27.6	16	34.0	30	30.9	96	35.4
Maternal Utilization: FSP	107	15.0	4	12.5	13	15.9	66	24.7
Mothers' Age: At Delivery								
Under 15	1	0.1	0	0.0	0	0.0	1	0.4
15-17	8	1.1	0	0.0	1	1.0	2	0.7
18-19	25	3.4	3	6.3	8	8.2	14	5.0
20-24	218	29.4	11	22.9	22	22.4	90	32.3
25-29	237	32.0	16	33.3	38	38.8	91	32.6
30-34	192	25.9	13	27.1	19	19.4	50	17.9
35-39	54	7.3	3	6.3	8	8.2	25	9.0
40 and Over	6	0.8	2	4.2	2	2.0	7	2.5

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Saline</u>	<u>Schuyler</u>	<u>Scotland</u>	<u>Scott</u>	<u>Shannon</u>	<u>Shelby</u>	<u>St. Charles</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	240	100.0	59	100.0	87	100.0	466	100.0
Birth Weight: Under 2500 Grams	20	8.3	2	3.4	8	9.2	64	13.7
Birth Weight: Above 4499 Grams	3	1.3	0	0.0	0	0.0	3	1.3
Gest. Age: Less than 37 Weeks	25	10.5	5	8.5	10	11.5	60	12.9
APGAR (5 Min.): Less than 8	13	5.5	8	13.6	7	8.0	32	6.9
Infant Care: NICU Admission	21	8.8	1	1.7	6	6.9	49	10.5
Infant Care: Transfer	8	3.3	3	5.1	3	3.4	9	1.9
Place of Birth: At-Home Delivery	5	2.1	17	28.8	22	25.3	1	0.2
Method of Delivery: Cesarean	82	34.2	9	15.3	21	24.1	177	38.1
Infant Care: Breastfed	170	75.9	50	90.9	66	85.7	249	56.0
Mat. Smoking: During Preg.	46	19.6	3	5.1	6	6.9	77	16.8
...Quit Smoking During Preg.	10	21.7	0	0.0	2	33.3	10	13.0
Mat. Wt.: Underweight	4	1.7	1	1.9	3	3.5	16	3.4
Mat. Wt.: Obese	88	37.1	19	36.5	22	25.6	186	40.0
Mat. Sing. Wt. Gain: Low	38	18.0	10	22.2	9	11.8	63	17.7
Mat. Sing. Wt. Gain: High	43	20.4	5	11.1	7	9.2	72	20.3
Mother's Education: Under 12 Yrs.	45	18.9	25	42.4	50	57.5	47	10.1
Marital Status: Out-of-Wedlock	110	45.8	17	28.8	12	13.8	228	48.9
Live Birth Order: 4 or More	36	15.1	16	28.1	26	29.9	72	15.5
Birth Spacing: Less than 18 Mos.	29	18.2	8	20.0	4	6.6	45	15.9
Prenatal Care: 1st Trimester	177	77.3	30	53.6	48	55.2	347	76.1
Prenatal Care: 2nd Trimester	36	15.7	15	26.8	34	39.1	74	16.2
Prenatal Care: 3rd Trimester	11	4.8	9	16.1	5	5.7	27	5.9
Prenatal Care: None	5	2.2	2	3.6	0	0.0	8	1.8
Prenatal Care: Inadequate	43	18.7	22	39.3	36	41.4	69	15.1
Maternal Utilization: Medicaid	114	47.5	14	24.1	14	16.3	225	48.3
Maternal Utilization: WIC	105	45.9	14	24.6	15	17.4	189	41.3
Maternal Utilization: FSP	59	27.3	7	14.0	3	3.7	147	32.7
Mothers' Age: At Delivery	Under 15	0	0.0	0	0.0	1	0.2	0
15-17	2	0.8	0	0.0	1	1.1	8	1.7
18-19	8	3.3	2	3.4	1	1.1	18	3.9
20-24	60	25.0	22	37.3	23	26.4	146	31.3
25-29	84	35.0	14	23.7	33	37.9	149	32.0
30-34	57	23.8	16	27.1	20	23.0	96	20.6
35-39	25	10.4	2	3.4	9	10.3	37	7.9
40 and Over	4	1.7	3	5.1	0	0.0	11	2.4

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>St. Clair</u>	<u>St. Francois</u>	<u>St. Louis City</u>	<u>St. Louis County</u>	<u>Ste. Genevieve</u>	<u>Stoddard</u>	<u>Stone</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	115	100.0	677	100.0	3,707	100.0	10,494	100.0
Birth Weight: Under 2500 Grams	6	5.3	67	9.9	483	13.0	1,069	10.2
Birth Weight: Above 4499 Grams	2	1.8	2	0.3	24	0.6	60	0.6
Gest. Age: Less than 37 Weeks	5	4.3	84	12.5	522	14.1	1,278	12.2
APGAR (5 Min.): Less than 8	10	8.9	33	4.9	262	7.1	554	5.3
Infant Care: NICU Admission	6	5.2	69	10.2	416	11.2	1,130	10.8
Infant Care: Transfer	2	1.7	43	6.4	176	4.7	209	2.0
Place of Birth: At-Home Delivery	30	26.1	7	1.0	24	0.6	60	0.6
Method of Delivery: Cesarean	20	17.4	235	34.7	1,056	28.6	3,411	32.7
Infant Care: Breastfed	95	85.6	442	67.8	2,653	72.8	8,193	79.3
Mat. Smoking: During Preg.	14	12.2	128	19.4	287	7.9	434	4.3
...Quit Smoking During Preg.	5	35.7	22	17.2	62	21.6	124	28.6
Mat. Wt.: Underweight	4	3.5	25	3.7	118	3.3	247	2.4
Mat. Wt.: Obese	41	36.3	248	37.1	1,057	29.5	2,920	28.7
Mat. Sing. Wt. Gain: Low	16	15.1	97	17.6	441	14.7	1,189	13.6
Mat. Sing. Wt. Gain: High	14	13.2	123	22.3	613	20.4	1,777	20.4
Mother's Education: Under 12 Yrs.	43	37.4	82	12.2	485	13.2	620	5.9
Marital Status: Out-of-Wedlock	33	28.7	320	47.3	2,104	56.8	4,181	39.8
Live Birth Order: 4 or More	31	27.0	93	13.8	571	15.4	1,318	12.6
Birth Spacing: Less than 18 Mos.	16	21.1	72	17.8	259	14.4	661	10.9
Prenatal Care: 1st Trimester	69	61.1	482	72.7	2,050	60.0	7,045	71.6
Prenatal Care: 2nd Trimester	35	31.0	145	21.9	778	22.8	2,174	22.1
Prenatal Care: 3rd Trimester	8	7.1	27	4.1	287	8.4	399	4.1
Prenatal Care: None	1	0.9	9	1.4	302	8.8	218	2.2
Prenatal Care: Inadequate	41	36.0	115	17.5	1,059	31.5	1,678	17.6
Maternal Utilization: Medicaid	32	30.2	263	43.3	1,878	52.0	3,112	31.2
Maternal Utilization: WIC	41	35.7	303	45.4	1,359	38.0	2,297	22.7
Maternal Utilization: FSP	18	17.0	182	28.5	1,418	39.9	2,401	23.7
Mothers' Age: At Delivery								
Under 15	0	0.0	1	0.1	5	0.1	4	0.0
15-17	1	0.9	11	1.6	55	1.5	84	0.8
18-19	6	5.2	40	5.9	146	3.9	240	2.3
20-24	25	21.7	204	30.1	622	16.8	1,390	13.2
25-29	44	38.3	212	31.3	1,008	27.2	2,697	25.7
30-34	19	16.5	133	19.6	1,150	31.0	3,735	35.6
35-39	17	14.8	67	9.9	587	15.8	1,966	18.7
40 and Over	3	2.6	9	1.3	134	3.6	376	3.6

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

	<u>Sullivan</u>	<u>Taney</u>	<u>Texas</u>	<u>Vermon</u>	<u>Warren</u>	<u>Washington</u>	<u>Wayne</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	56	100.0	565	100.0	297	100.0	433	100.0
Birth Weight: Under 2500 Grams	7	12.5	42	7.4	26	8.8	17	12.5
Birth Weight: Above 4499 Grams	2	3.6	5	0.9	3	1.0	2	0.8
Gest. Age: Less than 37 Weeks	8	14.3	72	12.7	35	11.9	25	9.9
APGAR (5 Min.): Less than 8	8	14.5	40	7.1	14	4.8	17	6.7
Infant Care: NICU Admission	3	5.4	54	9.6	30	10.1	14	5.5
Infant Care: Transfer	4	7.1	10	1.8	16	5.4	8	3.2
Place of Birth: At-Home Delivery	1	1.8	9	1.6	19	6.4	24	9.5
Method of Delivery: Cesarean	17	30.4	185	32.7	84	28.6	61	24.5
Infant Care: Breastfed	44	80.0	460	83.6	230	79.0	193	77.5
Mat. Smoking: During Preg.	9	16.7	103	18.3	42	14.4	48	19.4
...Quit Smoking During Preg.	0	0.0	29	28.2	5	11.9	12	25.0
Mat. Wt.: Underweight	1	1.8	22	3.9	12	4.2	7	2.8
Mat. Wt.: Obese	24	42.9	171	30.5	95	33.3	81	32.9
Mat. Sing. Wt. Gain: Low	6	12.5	69	14.3	39	15.9	57	26.0
Mat. Sing. Wt. Gain: High	10	20.8	120	24.8	54	22.0	38	17.4
Mother's Education: Under 12 Yrs.	9	16.1	77	13.7	51	17.3	62	24.7
Marital Status: Out-of-Wedlock	28	50.0	244	43.2	110	37.0	109	43.1
Live Birth Order: 4 or More	12	21.8	106	18.8	63	21.3	61	24.2
Birth Spacing: Less than 18 Mos.	2	5.3	44	12.6	36	19.5	23	15.6
Prenatal Care: 1st Trimester	43	79.6	408	73.1	176	62.6	175	71.1
Prenatal Care: 2nd Trimester	9	16.7	108	19.4	70	24.9	59	24.0
Prenatal Care: 3rd Trimester	2	3.7	29	5.2	28	10.0	10	4.1
Prenatal Care: None	0	0.0	13	2.3	7	2.5	2	0.8
Prenatal Care: Inadequate	11	20.0	113	20.3	85	30.4	59	24.6
Maternal Utilization: Medicaid	30	54.5	356	63.2	158	53.2	103	43.1
Maternal Utilization: WIC	26	50.0	262	47.0	141	48.5	97	39.0
Maternal Utilization: FSP	13	27.1	154	28.1	61	21.2	45	19.7
Mothers' Age: At Delivery	Under 15	0	0.0	1	0.2	0	0.0	0
15-17	0	0.0	7	1.2	4	1.3	4	1.6
18-19	5	9.1	41	7.3	13	4.4	24	9.5
20-24	12	21.8	140	24.8	94	31.6	66	26.2
25-29	21	38.2	191	33.8	90	30.3	77	30.6
30-34	10	18.2	109	19.3	61	20.5	48	19.0
35-39	4	7.3	61	10.8	30	10.1	22	8.7
40 and Over	3	5.5	15	2.7	5	1.7	10	4.0

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2021

		<u>Webster</u>	<u>Worth</u>	<u>Wright</u>
	Number	Percent	Number	Percent
Live Births	604	100.0	16	100.0
Birth Weight: Under 2500 Grams	56	9.3	0	0.0
Birth Weight: Above 4499 Grams	12	2.0	1	6.3
Gest. Age: Less than 37 Weeks	74	12.3	0	0.0
APGAR (5 Min.): Less than 8	38	7.2	2	12.5
Infant Care: NICU Admission	73	12.1	1	6.3
Infant Care: Transfer	6	1.0	1	6.3
Place of Birth: At-Home Delivery	97	16.1	0	0.0
Method of Delivery: Cesarean	146	24.2	5	31.3
Infant Care: Breastfed	493	85.0	13	81.3
Mat. Smoking: During Preg.	61	10.2	4	25.0
...Quit Smoking During Preg.	17	27.9	1	25.0
Mat. Wt.: Underweight	19	3.2	0	0.0
Mat. Wt.: Obese	198	33.5	6	37.5
Mat. Sing. Wt. Gain: Low	96	19.0	0	0.0
Mat. Sing. Wt. Gain: High	94	18.6	8	50.0
Mother's Education: Under 12 Yrs.	189	31.3	2	12.5
Marital Status: Out-of-Wedlock	146	24.2	7	43.8
Live Birth Order: 4 or More	172	28.5	2	12.5
Birth Spacing: Less than 18 Mos.	96	23.6	3	27.3
Prenatal Care: 1st Trimester	343	57.8	15	93.8
Prenatal Care: 2nd Trimester	163	27.5	0	0.0
Prenatal Care: 3rd Trimester	54	9.1	1	6.3
Prenatal Care: None	33	5.6	0	0.0
Prenatal Care: Inadequate	217	36.7	1	6.3
Maternal Utilization: Medicaid	198	33.1	5	31.3
Maternal Utilization: WIC	163	27.3	8	50.0
Maternal Utilization: FSP	98	16.6	6	40.0
Mother's Age: At Delivery	Under 15	0	0	0
15-17	10	1.7	0	0.0
18-19	22	3.6	1	6.3
20-24	167	27.6	4	25.0
25-29	188	31.1	3	18.8
30-34	128	21.2	7	43.8
35-39	72	11.9	1	6.3
40 and Over	17	2.8	0	0.0

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2021

	<u>Baldwin</u>	<u>Blue Springs</u>	<u>Cape Girardeau</u>	<u>Chesterfield</u>	<u>Columbia</u>	<u>Florissant</u>
	Number	Percent	Number	Percent	Number	Percent
Live Births	331	100.0	614	100.0	425	100.0
Birth Weight: Under 2500 Grams	21	6.3	55	9.0	43	10.1
Birth Weight: Above 4499 Grams	3	0.9	4	0.7	6	1.4
Gest. Age: Less than 37 Weeks	32	9.7	77	12.5	54	12.7
APGAR (5 Min.): Less than 8	13	3.9	63	10.3	35	8.3
Infant Care: NICU Admission	37	11.2	69	11.2	50	11.8
Infant Care: Transfer	3	0.9	8	1.3	3	0.7
Place of Birth: At-Home Delivery	1	0.3	3	0.5	5	1.2
Method of Delivery: Cesarean	97	29.4	157	25.6	136	32.0
Infant Care: Breastfed	298	91.4	509	86.6	255	60.3
Mat. Smoking: During Preg.	4	1.3	32	5.2	52	12.4
...Quit Smoking During Preg.	3	75.0	12	37.5	17	32.7
Mat. Wt.: Underweight	7	2.2	14	2.3	18	4.3
Mat. Wt.: Obese	55	17.0	210	34.6	142	33.7
Mat. Sing. Wt. Gain: Low	31	10.8	86	16.7	61	19.7
Mat. Sing. Wt. Gain: High	63	22.0	110	21.3	75	24.2
Mother's Education: Under 12 Yrs.	7	2.1	29	4.7	59	13.9
Marital Status: Out-of-Wedlock	35	10.6	211	34.4	241	56.7
Live Birth Order: 4 or More	21	6.3	71	11.6	61	14.4
Birth Spacing: Less than 18 Mos.	19	9.4	38	10.3	45	17.2
Prenatal Care: 1st Trimester	244	77.7	485	80.0	317	76.2
Prenatal Care: 2nd Trimester	58	18.5	103	17.0	74	17.8
Prenatal Care: 3rd Trimester	10	3.2	14	2.3	17	4.1
Prenatal Care: None	2	0.6	4	0.7	8	1.9
Prenatal Care: Inadequate	23	7.7	74	12.3	75	17.9
Maternal Utilization: Medicaid	22	7.2	165	27.1	238	56.0
Maternal Utilization: WIC	13	4.0	118	19.4	123	29.5
Maternal Utilization: FSP	12	3.7	75	14.1	159	38.6
Mother's Age: At Delivery	Under 15	0	0	0.0	1	0.2
15-17	0	0.0	8	1.3	16	3.8
18-19	4	1.2	12	2.0	13	3.1
20-24	13	3.9	94	15.3	99	23.3
25-29	63	19.0	205	33.4	124	29.2
30-34	154	46.5	191	31.1	118	27.8
35-39	87	26.3	84	13.7	47	11.1
40 and Over	10	3.0	20	3.3	7	1.6

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2021

	<u>Gladstone</u>	<u>Grandview</u>	<u>Hazelwood</u>	<u>Independence</u>	<u>Jefferson City</u>	<u>Joplin - Total</u>
	Number	Percent	Number	Percent	Number	Percent
Live Births	330	100.0	396	100.0	290	100.0
Birth Weight: Under 2500 Grams	26	7.9	47	11.9	25	8.6
Birth Weight: Above 4499 Grams	4	1.2	4	1.0	1	0.3
Gest. Age: Less than 37 Weeks	42	12.7	48	12.1	37	12.8
APGAR (5 Min.): Less than 8	26	7.9	27	6.8	12	4.2
Infant Care: NICU Admission	45	13.6	54	13.6	40	13.8
Infant Care: Transfer	2	0.6	8	2.0	4	1.4
Place of Birth: At-Home Delivery	6	1.8	20	5.1	2	0.7
Method of Delivery: Cesarean	99	30.0	93	23.5	101	34.9
Infant Care: Breastfed	246	86.0	306	79.3	214	74.8
Mat. Smoking: During Preg.	25	7.6	26	6.7	11	4.0
...Quit Smoking During Preg.	8	32.0	5	19.2	3	27.3
Mat. Wt.: Underweight	10	3.1	8	2.1	5	1.8
Mat. Wt.: Obese	124	38.0	138	36.0	124	44.8
Mat. Sing. Wt. Gain: Low	60	21.8	59	17.9	51	21.5
Mat. Sing. Wt. Gain: High	51	18.5	73	22.2	45	19.0
Mother's Education: Under 12 Yrs.	21	6.4	53	13.5	8	2.8
Marital Status: Out-of-Wedlock	143	43.3	221	55.8	169	58.3
Live Birth Order: 4 or More	34	10.3	71	17.9	38	13.1
Birth Spacing: Less than 18 Mos.	35	17.7	30	13.1	17	9.6
Prenatal Care: 1st Trimester	221	68.6	275	70.9	172	63.0
Prenatal Care: 2nd Trimester	80	24.8	88	22.7	83	30.4
Prenatal Care: 3rd Trimester	14	4.3	14	3.6	13	4.8
Prenatal Care: None	7	2.2	11	2.8	5	1.8
Prenatal Care: Inadequate	59	18.6	76	19.9	58	21.9
Maternal Utilization: Medicaid	119	38.5	211	54.1	119	42.8
Maternal Utilization: WIC	69	21.7	143	37.2	103	36.7
Maternal Utilization: FSP	38	13.4	86	30.4	94	34.3
Mother's Age: At Delivery	Under 15	0	0	0.0	0	0.0
15-17	1	0.3	5	1.3	2	0.7
18-19	10	3.0	21	5.3	5	1.7
20-24	69	20.9	102	25.8	63	21.7
25-29	125	37.9	121	30.6	88	30.3
30-34	71	21.5	81	20.5	79	27.2
35-39	47	14.2	55	13.9	46	15.9
40 and Over	7	2.1	11	2.8	7	2.4

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2021

	<u>Joplin-Jasper County</u>	<u>Joplin-Newton County</u>	<u>Kansas City - Jackson County</u>	<u>Kansas City - Jackson County</u>	<u>Kansas City - Clay County</u>	<u>Kansas City - Clay County</u>	<u>Kansas City - Platte County</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	576	100.0	51	100.0	6,314	100.0	3,947	100.0
Birth Weight: Under 2500 Grams	71	12.3	7	13.7	629	10.0	447	11.3
Birth Weight: Above 4499 Grams	5	0.9	0	0.0	59	0.9	40	1.0
Gest. Age: Less than 37 Weeks	86	14.9	7	13.7	683	10.8	446	11.3
APGAR (5 Min.); Less than 8	25	4.3	5	10.0	360	5.7	206	5.2
Infant Care: NICU Admission	87	15.1	9	17.6	754	11.9	514	13.0
Infant Care: Transfer	1	0.2	1	2.0	65	1.0	28	0.7
Place of Birth: At-Home Delivery	7	1.2	1	2.0	148	2.3	108	2.7
Method of Delivery: Cesarean	175	30.4	23	45.1	1,821	28.9	1,125	28.5
Infant Care: Breastfed	452	80.0	38	76.0	4,815	81.2	2,921	77.1
Mat. Smoking: During Preg.	75	13.2	7	14.0	359	5.8	261	6.8
...Quit Smoking During Preg.	20	26.7	2	28.6	99	27.6	71	27.2
Mat. Wt.: Underweight	21	3.7	4	7.8	166	2.7	105	2.8
Mat. Wt.: Obese	220	38.4	16	31.4	1,811	29.7	1,150	30.5
Mat. Sing. Wt. Gain: Low	99	20.4	8	18.2	860	16.0	581	17.6
Mat. Sing. Wt. Gain: High	80	16.5	9	20.5	1,120	20.9	679	20.6
Mother's Education: Under 12 Yrs.	72	12.5	7	13.7	813	13.0	687	17.6
Marital Status: Out-of-Wedlock	279	48.4	21	41.2	2,983	47.2	2,287	57.9
Live Birth Order: 4 or More	74	12.9	6	11.8	992	15.7	715	18.1
Birth Spacing: Less than 18 Mos.	42	12.5	6	18.8	475	12.8	336	14.5
Prenatal Care: 1st Trimester	457	81.8	32	65.3	4,156	67.4	2,370	61.8
Prenatal Care: 2nd Trimester	85	15.2	15	30.6	1,436	23.3	1,014	26.5
Prenatal Care: 3rd Trimester	8	1.4	1	2.0	422	6.8	323	8.4
Prenatal Care: None	9	1.6	1	2.0	150	2.4	125	3.3
Prenatal Care: Inadequate	71	12.7	10	20.4	1,549	25.6	1,209	32.1
Maternal Utilization: Medicaid	301	52.5	24	47.1	2,775	45.4	2,191	56.8
Maternal Utilization: WIC	196	35.0	15	29.4	1,804	29.4	1,448	37.8
Maternal Utilization: FSP	161	29.3	13	25.5	1,541	31.0	1,289	43.2
Mother's Age: At Delivery								
Under 15	0	0.0	0	0.0	3	0.0	3	0.1
15-17	11	1.9	0	0.0	79	1.3	66	1.7
18-19	28	4.9	2	3.9	211	3.3	168	4.3
20-24	182	31.6	10	19.6	1,139	18.1	825	20.9
25-29	202	35.1	16	31.4	1,844	29.2	1,115	28.3
30-34	118	20.5	16	31.4	1,979	31.4	1,134	28.8
35-39	29	5.0	6	11.8	878	13.9	535	13.6
40 and Over	6	1.0	1	2.0	176	2.8	97	2.5

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2021

	Kansas City - Cass County	Kirkwood	Lee's Summit	Liberty	Maryland Heights	O'Fallon				
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	0	0.0	275	100.0	1,043	100.0	303	100.0	329	100.0
Birth Weight: Under 2500 Grams	0	0.0	21	7.7	95	9.1	23	7.6	38	11.6
Birth Weight: Above 4499 Grams	0	0.0	0	0.0	14	1.3	3	1.0	1	0.3
Gest. Age: Less than 37 Weeks	0	0.0	20	7.3	123	11.8	31	10.2	35	10.7
APGAR (5 Min.): Less than 8	0	0.0	16	5.8	71	6.8	15	5.0	8	2.5
Infant Care: NICU Admission	0	0.0	22	8.0	142	13.6	33	10.9	26	7.9
Infant Care: Transfer	0	0.0	5	1.8	12	1.2	3	1.0	0	0.0
Place of Birth: At-Home Delivery	0	0.0	2	0.7	26	2.5	9	3.0	0	0.0
Method of Delivery: Cesarean	0	0.0	99	36.0	327	31.4	98	32.5	113	34.7
Infant Care: Breastfed	0	0.0	242	90.3	917	90.7	240	86.3	279	85.8
Mat. Smoking: During Preg.	0	0.0	5	1.8	33	3.2	27	9.0	7	2.2
...Quit Smoking During Preg.	0	0.0	2	40.0	8	24.2	8	29.6	2	28.6
Mat. Wt.: Underweight	0	0.0	4	1.5	32	3.1	11	3.6	14	4.4
Mat. Wt.: Obese	0	0.0	28	10.5	272	26.4	84	27.8	73	23.2
Mat. Sing. Wt. Gain: Low	0	0.0	21	8.9	96	11.2	31	11.8	28	10.1
Mat. Sing. Wt. Gain: High	0	0.0	38	16.1	153	17.9	52	19.8	65	23.4
Mother's Education: Under 12 Yrs.	0	0.0	3	1.1	18	1.7	17	5.6	8	2.4
Marital Status: Out-of-Wedlock	0	0.0	27	9.8	255	24.4	97	32.0	94	28.6
Live Birth Order: 4 or More	0	0.0	28	10.2	102	9.8	22	7.3	18	5.5
Birth Spacing: Less than 18 Mos.	0	0.0	22	12.9	50	8.2	18	9.4	15	9.6
Prenatal Care: 1st Trimester	0	0.0	205	78.2	827	79.8	232	79.5	232	75.1
Prenatal Care: 2nd Trimester	0	0.0	53	20.2	181	17.5	47	16.1	72	23.3
Prenatal Care: 3rd Trimester	0	0.0	2	0.8	18	1.7	11	3.8	3	1.0
Prenatal Care: None	0	0.0	2	0.8	10	1.0	2	0.7	2	0.6
Prenatal Care: Inadequate	0	0.0	22	8.6	111	10.8	34	11.7	30	10.1
Maternal Utilization: Medicaid	0	0.0	17	6.6	182	17.6	68	23.2	62	20.1
Maternal Utilization: WIC	0	0.0	10	3.8	111	10.8	43	14.5	47	15.5
Maternal Utilization: FSP	0	0.0	13	4.9	65	8.1	33	11.8	42	13.8
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0.2
15-17	0	0.0	1	0.4	3	0.3	3	1.0	1	0.3
18-19	0	0.0	1	0.4	14	1.3	12	4.0	6	1.8
20-24	0	0.0	10	3.6	113	10.8	42	13.9	38	11.6
25-29	0	0.0	38	13.9	318	30.5	97	32.0	104	31.6
30-34	0	0.0	127	46.4	404	38.8	106	35.0	112	34.0
35-39	0	0.0	87	31.8	157	15.1	35	11.6	59	17.9
40 and Over	0	0.0	10	3.6	33	3.2	8	2.6	9	2.7

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2021

	<u>Raytown</u>	<u>St. Charles</u>	<u>St. Joseph</u>	<u>St. Louis City</u>	<u>St. Peters</u>	<u>Springfield</u>
	Number	Percent	Number	Percent	Number	Percent
Live Births	332	100.0	732	100.0	862	100.0
Birth Weight: Under 2500 Grams	40	12.0	65	8.9	98	11.4
Birth Weight: Above 4499 Grams	4	1.2	7	1.0	13	1.5
Gest. Age: Less than 37 Weeks	38	11.4	83	11.3	69	8.0
APGAR (5 Min.): Less than 8	17	5.1	36	4.9	26	3.0
Infant Care: NICU Admission	41	12.3	72	9.8	65	7.5
Infant Care: Transfer	1	0.3	5	0.7	13	1.5
Place of Birth: At-Home Delivery	2	0.6	3	0.4	9	1.0
Method of Delivery: Cesarean	95	28.6	238	32.6	247	28.7
Infant Care: Breastfed	258	80.4	610	84.6	586	69.5
Mat. Smoking: During Preg.	31	9.4	50	7.0	177	21.1
...Quit Smoking During Preg.	4	12.9	12	24.0	26	14.7
Mat. Wt.: Underweight	5	1.5	15	2.1	35	4.1
Mat. Wt.: Obese	134	40.9	199	27.9	308	36.1
Mat. Sing. Wt. Gain: Low	52	18.6	67	10.8	123	15.9
Mat. Sing. Wt. Gain: High	62	22.2	141	22.8	226	29.2
Mother's Education: Under 12 Yrs.	37	11.2	35	4.8	151	17.6
Marital Status: Out-of-Wedlock	200	60.2	249	34.0	497	57.7
Live Birth Order: 4 or More	44	13.3	72	9.8	130	15.1
Birth Spacing: Less than 18 Mos.	21	10.8	58	15.0	72	13.2
Prenatal Care: 1st Trimester	229	71.3	534	77.6	641	75.3
Prenatal Care: 2nd Trimester	74	23.1	130	18.9	144	16.9
Prenatal Care: 3rd Trimester	12	3.7	22	3.2	49	5.8
Prenatal Care: None	6	1.9	2	0.3	17	2.0
Prenatal Care: Inadequate	68	21.3	86	12.8	156	18.4
Maternal Utilization: Medicaid	167	51.1	162	23.2	481	56.0
Maternal Utilization: WIC	111	34.4	115	16.2	321	37.8
Maternal Utilization: FSP	87	31.9	108	15.2	263	32.0
Mother's Age: At Delivery						
Under 15	1	0.3	0	0.0	0	0.1
15-17	2	0.6	2	0.3	11	1.3
18-19	11	3.3	11	1.5	53	6.1
20-24	83	25.0	104	14.2	260	30.2
25-29	109	32.8	198	27.0	258	29.9
30-34	81	24.4	263	35.9	197	22.9
35-39	37	11.1	125	17.1	69	8.0
40 and Over	8	2.4	29	4.0	14	1.6

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2021

	<u>University City</u>	<u>Wentzville</u>	<u>Wildwood</u>	
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
Live Births	419	100.0	526	100.0
Birth Weight: Under 2500 Grams	33	7.9	29	5.5
Birth Weight: Above 4499 Grams	3	0.7	7	1.3
Gest. Age: Less than 37 Weeks	43	10.3	49	9.3
APGAR (5 Min.): Less than 8	21	5.0	28	5.3
Infant Care: NICU Admission	38	9.1	41	7.8
Infant Care: Transfer	9	2.1	6	1.1
Place of Birth: At-Home Delivery	2	0.5	2	0.4
Method of Delivery: Cesarean	126	30.3	173	33.0
Infant Care: Breastfed	350	85.0	439	84.7
Mat. Smoking: During Preg.	10	2.4	20	3.9
...Quit Smoking During Preg.	2	20.0	6	30.0
Mat. Wt.: Underweight	8	2.0	11	2.1
Mat. Wt.: Obese	92	22.5	151	29.1
Mat. Sing. Wt. Gain: Low	36	10.2	54	11.7
Mat. Sing. Wt. Gain: High	68	19.3	110	23.8
Mother's Education: Under 12 Yrs.	18	4.3	12	2.3
Marital Status: Out-of-Wedlock	133	31.7	103	19.6
Live Birth Order: 4 or More	48	11.5	58	11.0
Birth Spacing: Less than 18 Mos.	22	10.2	23	7.1
Prenatal Care: 1st Trimester	278	70.9	404	80.2
Prenatal Care: 2nd Trimester	89	22.7	85	16.9
Prenatal Care: 3rd Trimester	15	3.8	15	3.0
Prenatal Care: None	10	2.6	0	0.0
Prenatal Care: Inadequate	66	17.2	56	11.3
Maternal Utilization: Medicaid	106	26.8	66	13.1
Maternal Utilization: WIC	81	19.9	36	7.0
Maternal Utilization: FSP	74	18.1	31	6.0
Mother's Age: At Delivery	0	0.0	0	0.0
15-17	3	0.7	3	0.6
18-19	9	2.1	4	0.8
20-24	42	10.0	41	7.8
25-29	90	21.5	157	29.8
30-34	169	40.3	219	41.6
35-39	82	19.6	92	17.5
40 and Over	24	5.7	10	1.9

Table 11. Resident Teen-Age Pregnancies and Abortions by County of Residence: Missouri, 2021

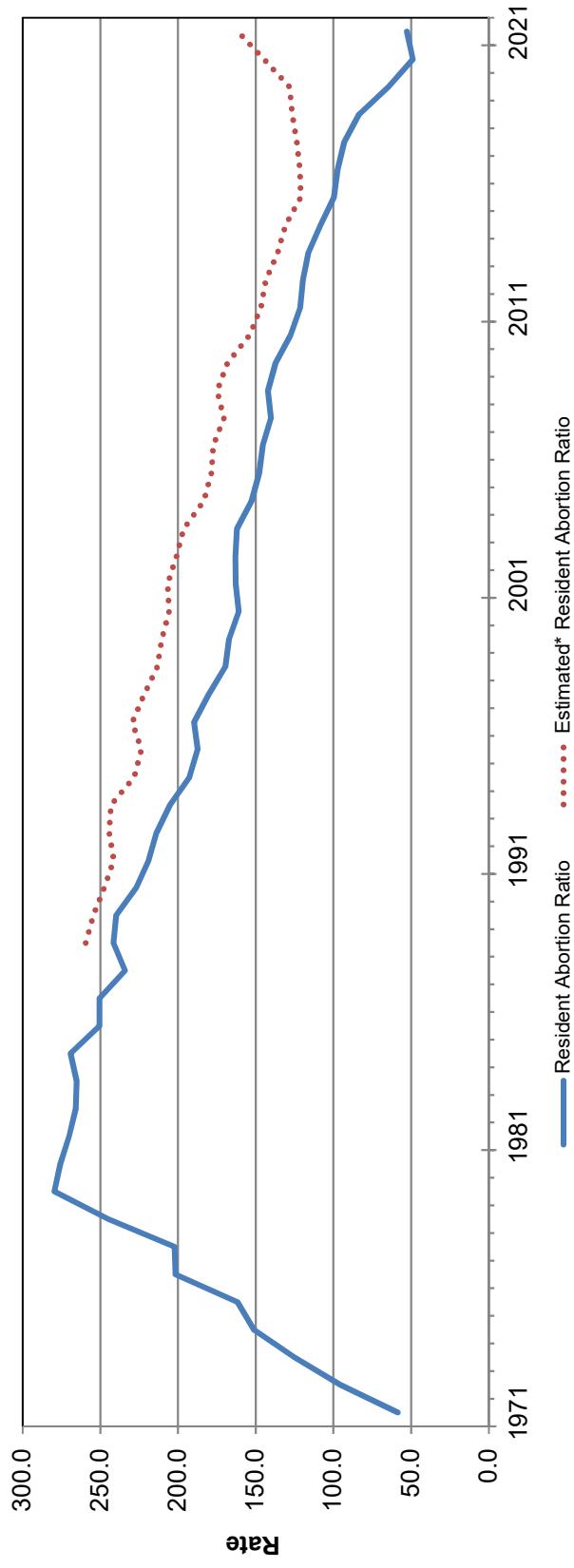
	Total Pregnancies				Abortions			
	Under 20	Under 18	18-19	20	Under 20	Under 18	18-19	20
State Total	3,681	922	2,759	318	101	217		
Adair	10	3	7	0	0	0		
Andrew	13	1	12	0	0	0		
Atchison	2	1	1	1	0	0		
Audrain	17	3	14	0	0	0		
Barry	34	10	24	1	1	0		
Barton	6	1	5	0	0	0		
Bates	14	4	10	3	2	1		
Benton	6	2	4	1	0	1		
Bollinger	11	4	7	0	0	0		
Boone	62	16	46	9	4	5		
Buchanan	82	17	65	12	5	7		
Butler	56	13	43	1	1	0		
Caldwell	8	4	4	1	0	1		
Callaway	23	2	21	1	1	0		
Camden	16	0	16	0	0	0		
Cape Girardeau	51	21	30	0	0	0		
Carroll	5	0	5	0	0	0		
Carter	8	4	4	0	0	0		
Cass	67	19	48	19	8	11		
Cedar	16	3	13	0	0	0		
Chariton	4	1	3	0	0	0		
Christian	37	7	30	3	1	2		
Clark	6	1	5	0	0	0		
Clay	127	31	96	33	12	21		
Clinton	13	4	9	4	0	4		
Cole	36	14	22	2	0	2		
Cooper	12	3	9	2	0	2		
Crawford	14	2	12	0	0	0		
Dade	5	1	4	0	0	0		

	Total Pregnancies				Abortions			
	Under 20	Under 18	18-19	20	Under 20	Under 18	18-19	20
Dallas		14	2	12	0	0	0	0
Daviess		4	2	2	0	0	0	0
Dekalb		4	0	4	0	0	0	0
Dent		15	2	13	0	0	0	0
Douglas		18	3	15	0	0	0	0
Dunklin		43	14	29	3	1	2	2
Franklin		52	15	37	1	0	1	1
Gasconade		9	1	8	0	0	0	0
Gentry		3	1	2	0	0	0	0
Greene		181	41	140	8	3	5	5
Grundy		10	2	8	1	0	1	1
Harrison		5	1	4	0	0	0	0
Henry		22	5	17	1	0	1	1
Hickory		8	2	6	5	2	3	3
Holt		3	3	0	0	0	0	0
Howard		3	0	3	1	0	1	1
Howell		43	8	35	1	1	0	0
Iron		5	0	5	0	0	0	0
Jackson		572	150	422	150	42	108	108
Jasper		115	31	84	4	1	3	3
Jefferson		81	17	64	0	0	0	0
Johnson		37	8	29	9	3	6	6
Knox		1	1	0	0	0	0	0
Laclede		40	7	33	0	0	0	0
Lafayette		21	7	14	1	0	1	1
Lawrence		33	8	25	0	0	0	0
Lewis		3	1	2	1	0	1	1
Lincoln		32	6	26	0	0	0	0
Linn		6	0	6	0	0	0	0
Livingston		9	3	6	0	0	0	0

Table 11. Resident Teen-Age Pregnancies and Abortions by County of Residence: Missouri, 2021

	Total Pregnancies				Abortions			
	Under 20	Under 18	18-19	20	Under 20	Under 18	18-19	18-19
Macon	10	2	8	1	1	0	0	0
Madison	5	1	4	0	0	0	0	0
Maries	5	2	3	0	0	0	0	0
Marion	13	4	9	0	0	0	0	0
McDonald	36	10	26	0	0	0	0	0
Mercer	0	0	0	0	0	0	0	0
Miller	19	4	15	0	0	0	0	0
Mississippi	15	3	12	0	0	0	0	0
Moniteau	9	4	5	1	0	1	0	0
Monroe	4	1	3	0	0	0	0	0
Montgomery	14	4	10	0	0	0	0	0
Morgan	18	4	14	0	0	0	0	0
New Madrid	19	6	13	0	0	0	0	0
Newton	53	14	39	3	1	2	0	0
Nodaway	7	1	6	2	0	2	0	0
Oregon	15	5	10	0	0	0	0	0
Osage	3	0	3	0	0	0	0	0
Ozark	4	0	4	0	0	0	0	0
Pemiscot	31	9	22	5	3	2	0	0
Perry	8	3	5	0	0	0	0	0
Pettis	42	9	33	2	0	2	0	0
Phelps	29	4	25	0	0	0	0	0
Pike	11	4	7	0	0	0	0	0
Platte	32	14	18	10	3	7	0	0
Polk	17	0	17	0	0	0	0	0
Pulaski	34	9	25	0	0	0	0	0
Putnam	3	0	3	0	0	0	0	0
Ralls	9	1	8	0	0	0	0	0
Randolph	18	3	15	2	1	1	0	1
Ray	19	5	14	1	0	1	0	0

Graph D. Resident Abortion Ratios per 1,000 Live Births: Missouri, 1971-2021



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Year	Recorded	Resident	Resident Ratio	Estimated*	Resident Ratio	Year	Recorded	Resident	Resident Ratio	Estimated*	Resident Ratio
1971	---	4,582	58.5	---	---	2010	6,163	9,796	127.7	11,823	154.1
1975	10,245	11,077	161.8	---	---	2015	4,765	7,474	99.6	9,083	121.0
1980	19,043	21,671	275.8	---	---	2016	4,562	7,275	97.4	9,074	121.5
1985	19,482	19,210	250.5	---	---	2017	3,903	6,790	93.0	9,029	123.6
1990	16,366	17,947	226.8	19,582	247.5	2018	2,910	6,125	83.6	9,271	126.5
1995	11,203	13,635	187.3	16,281	223.6	2019	1,471	4,660	64.6	9,254	128.3
2000	7,884	12,292	161.0	15,710	205.8	2020	167	3,391	48.9	10,018	144.6
2005	7,977	11,619	147.9	14,025	178.6	2021	150	3,653	52.7	11,185	161.5

Source: 1971-1974 Centers for Disease Control; 1975-2021 Missouri Department of Health & Senior Services.

Graph D Abortion Definitions:

Recorded: Abortions performed in a facility located in Missouri.

Resident: Abortions to Missouri residents regardless of where the abortions occurred as indicated on the individual record level data reports.

*Estimated Resident: Resident abortions as defined above plus estimated Missouri resident counts from Illinois for 1988-2005, Arkansas 2014-2017, and Tennessee 1997-2005, and Oklahoma 2019-2021. See Appendix under Vital Records for more information.

Table 12A. Resident Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2021

	Total	Under 9	9-10	11-12	13-14	15-16	17-19	20	Weeks of Gestation	
									21 and Over	Unknown
State Total	3,653	2,521	504	260	121	92	88	27	40	0
Patient's Race										
White, Non-Hispanic	1,842	1,315	231	107	57	47	50	9	26	0
Black, Non-Hispanic	1,353	882	210	128	52	31	30	11	9	0
Other, Non-Hispanic	251	170	34	17	10	8	5	4	3	0
Unknown, Non-Hispanic	3	0	1	1	0	0	0	1	0	0
Hispanic, Any Race	204	154	28	7	2	6	3	2	2	0
Patient's Age										
Under 15	10	4	2	0	1	2	0	1	0	0
15	17	9	3	1	1	0	3	0	0	0
16	34	16	9	3	0	2	3	0	1	0
17	40	23	7	4	2	1	2	0	1	0
18	88	54	12	11	6	1	1	1	2	0
19	129	83	26	8	7	2	3	0	0	0
20-24	1,105	747	172	84	30	28	24	10	10	0
25-29	1,010	733	112	76	31	21	21	6	10	0
30-34	728	518	85	47	23	17	20	5	13	0
35-39	369	248	57	18	17	16	7	4	2	0
40 and Over	121	86	19	6	3	2	4	0	1	0
Unknown	2	0	0	2	0	0	0	0	0	0
Type of Procedure										
Curettage	834	430	129	224	36	9	5	1	0	0
Intrauterine Instillation	0	0	0	0	0	0	0	0	0	0
Hysterotomy/Hysterectomy	0	0	0	0	0	0	0	0	0	0
Laminaria D & E	288	2	1	10	84	78	73	20	20	0
Medical/Nonsurgical	2,503	2,086	374	26	0	1	2	4	10	0
Unknown	1	1	0	0	0	0	0	0	0	0
Other	27	2	0	0	1	4	8	2	10	0

Table 12B. Recorded Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2021

	Total	Weeks of Gestation							Unknown
		Under 9	9-10	11-12	13-14	15-16	17-19	20	
State Total	150	21	17	20	11	13	18	15	35
Patient's Race									
White, Non-Hispanic	74	6	3	5	7	7	13	7	26
Black, Non-Hispanic	63	13	12	13	3	5	4	5	8
Other, Non-Hispanic	6	1	0	1	1	0	1	1	0
Unknown, Non-Hispanic	3	0	1	1	0	0	0	1	0
Hispanic, Any Race	4	1	1	0	0	1	0	1	0
Patient's Age									
Under 15	2	1	0	0	0	0	0	1	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	3	0	1	1	0	0	0	1	0
19	3	2	0	1	0	0	0	0	0
20-24	33	4	6	5	1	2	3	3	9
25-29	44	5	5	8	4	4	5	3	10
30-34	32	7	2	3	4	2	7	1	6
35-39	30	2	2	2	2	5	3	6	8
40 and Over	3	0	1	0	0	0	0	0	2
Unknown	0	0	0	0	0	0	0	0	0
Type of Procedure									
Curettage	58	21	16	13	7	1	0	0	0
Intrauterine Instillation	0	0	0	0	0	0	0	0	0
Hysterotomy/Hysterectomy	1	0	1	0	0	0	0	0	0
Laminaria D & E	45	0	0	7	1	6	9	8	14
Medical/Nonsurgical	23	0	0	0	0	1	4	6	12
Unknown	0	0	0	0	0	0	0	0	0
Other	23	0	0	0	3	5	5	1	9

Table 12C. Post-Abortion Complication Report: Missouri, 2021

		Procedure Type			Total
		Surgical	Medical	Not Specified	
Total Complications		43	34	2	79
..Incomplete Abortion		6	8	1	15
..Hemorrhage		13	8	0	21
..Endometritis		6	3	0	9
..Parametritis		0	0	0	0
..Pyrexia		1	0	0	1
..Pelvic Abscess		0	0	0	0
..Uterine Perforation		2	0	0	2
..Failed Abortion, Pregnancy Undisturbed		1	1	0	2
..Retained Products		9	10	1	20
..Cervical Laceration		2	0	0	2
..Psychiatric		0	0	0	0
..Other Complication		3	4	0	7
No Complication Reported		0	0	0	0
Total Complication Reports Received		29	23	2	54

Count
Patients Hospitalized 25

	Count	Percent with Complications*	
		Count	Percent with Complications*
Complication Reports for Abortions Recorded in Missouri	3	3	2.0

Refer to Appendix Section "New Tables on Post-Abortion Complications" for more information.

* Rate is calculated as total complication reports for abortions performed in Missouri out of all abortions performed in Missouri.

Table 13. Resident Abortions by Age, Marital Status, and Education by Race and Hispanic Origin: Missouri, 2021

		<u>Patient's Race</u>			
	Total	White, Non-Hispanic	Black, Non-Hispanic	Other, Non-Hispanic	Unknown, Non-Hispanic
State Total	3,653	1,842	1,353	251	3
Patient's Age					
Under 15	10	6	4	0	0
15	17	7	7	2	0
16	34	23	7	3	0
17	40	20	12	5	0
18	88	53	25	6	0
19	129	69	41	8	1
20-24	1,105	556	392	79	0
25-29	1,010	457	432	66	0
30-34	728	373	278	46	1
35-39	369	211	117	25	1
40 and Over	121	67	36	11	0
Unknown	2	0	2	0	0
Marital Status					
Never Married	69	16	46	3	2
Currently Married	413	256	82	46	1
Formerly Married	4	2	2	0	0
Unmarried, Unspecified	3,144	1,551	1,220	199	0
Unknown	23	17	3	3	0
Years of Education					
0-8	18	10	7	1	0
9-11	200	101	75	15	0
12	1,486	654	638	91	3
13-15	1,327	701	477	82	0
16 or More	535	335	126	51	0
Unknown	87	41	30	11	0

Table 14. Resident Abortions and Ratios per 1,000 Live Births by County and BRFSS Region of Residence: Missouri, 2021

Counties	Number	Ratio	Counties	Number	Ratio	Counties	Number	Ratio	Counties	Number	Ratio
State Total	3,653	52.7	DeKalb	2	23.0	McDonald	2	5.9	Shannon	0	0.0
Adair	3	11.3	Dent	0	0.0	Mercer	0	0.0	Shelby	0	0.0
Andrew	2	11.2	Douglas	1	6.7	Miller	10	31.9	St. Charles	11	2.6
Atchison	3	78.9	Dunklin	11	30.1	Mississippi	0	0.0	St. Clair	7	60.9
Audrain	5	16.3	Franklin	4	3.6	Moniteau	5	26.3	St. Francois	1	1.5
Barry	8	20.2	Gasconade	0	0.0	Monroe	0	0.0	St. Louis City	24	6.5
Barton	3	24.2	Gentry	5	66.7	Montgomery	0	0.0	St. Louis County	47	4.5
Bates	9	50.8	Greene	118	36.1	Morgan	2	7.9	Ste. Genevieve	0	0.0
Benton	10	68.0	Grundy	5	35.2	New Madrid	7	34.7	Stoddard	0	0.0
Bollinger	0	0.0	Harrison	1	11.9	Newton	14	20.2	Stone	2	7.2
Boone	95	49.4	Henry	14	53.0	Nodaway	12	52.6	Sullivan	2	35.7
Buchanan	89	90.5	Hickory	31	360.5	Oregon	0	0.0	Taney	10	17.7
Butler	6	10.9	Holt	3	58.8	Osage	4	24.5	Texas	0	0.0
Caldwell	10	100.0	Howard	3	35.7	Ozark	1	13.0	Vernon	11	43.5
Callaway	10	22.3	Howell	10	22.4	Pemiscot	18	82.6	Warren	0	0.0
Camden	15	42.4	Iron	0	0.0	Perry	0	0.0	Washington	1	3.7
Cape Girardeau	2	2.3	Jackson	2,010	240.8	Pettis	44	73.6	Wayne	0	0.0
Carroll	3	31.9	Jasper	49	31.3	Phelps	1	2.4	Webster	4	6.6
Carter	0	0.0	Jefferson	8	3.3	Pike	0	0.0	Worth	2	125.0
Cass	133	112.6	Johnson	68	96.3	Platte	147	19.6	Wright	0	0.0
Cedar	6	29.4	Knox	1	23.3	Polk	6	15.4			
Chariton	2	25.0	Laclede	4	8.3	Pulaski	4	5.4			
Christian	26	24.3	Lafayette	22	64.3	Putnam	1	20.8			
Clark	1	13.2	Lawrence	7	14.5	Ralls	0	0.0			
Clay	332	112.6	Lewis	1	11.2	Randolph	11	39.4			
Clinton	14	60.6	Lincoln	2	2.5	Ray	12	46.5			
Cole	15	17.9	Linn	3	21.7	Reynolds	0	0.0			
Cooper	8	41.2	Livingston	7	44.3	Ripley	1	7.1			
Crawford	1	4.2	Macon	5	29.8	Saline	13	54.2			
Dade	2	35.1	Madison	0	0.0	Schuyler	0	0.0			
Dallas	1	4.5	Maries	0	0.0	Scotland	0	0.0			
Davies	2	19.2	Marion	1	3.0	Scott	1	2.1			
						BRFSS Regions	Number	Ratio			
						Northeast	56	20.3			
						Northwest	192	72.6			
						Central	226	28.0			
						Southeast	59	9.2			
						Southwest	331	29.8			
						St. Louis Region	97	4.1			
						Kansas City Region	2,689	181.5			
						Urban	3,120	68.2			
						Rural	530	22.5			

Table 15. Resident Abortions by Marital Status, Number of Living Children, and Number of Previous Abortions by Age of Patient: Missouri, 2021

	Total	Patient's Age									45 and Over	Unknown
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	108	13	
State Total	3,653	10	91	217	1,105	1,010	728	369	108	13	2	
Marital Status												
Never Married	69	1	0	4	25	21	12	5	1	0	0	
Currently Married	413	0	1	3	47	114	122	93	30	3	0	
Formerly Married	4	0	0	0	1	0	3	0	0	0	0	
Unmarried, Unspecified	3,144	9	88	209	1,026	864	589	270	77	10	2	
Unknown	23	0	2	1	6	11	2	1	0	0	0	
Number of Living Children												
0	1,413	10	83	182	600	329	138	58	11	2	0	
1	886	0	8	33	324	259	157	76	27	2	0	
2	710	0	0	1	124	248	192	108	32	5	0	
3	385	0	0	1	51	101	130	78	20	2	2	
4	160	0	0	0	5	51	68	24	10	2	0	
5	62	0	0	0	1	19	23	14	5	0	0	
6+	36	0	0	0	0	3	19	11	3	0	0	
Unknown	1	0	0	0	0	0	1	0	0	0	0	
Number of Previous Abortions												
0	2,362	10	88	201	822	607	389	185	50	8	2	
1	808	0	3	14	212	260	188	99	29	3	0	
2	298	0	0	1	60	96	91	35	14	1	0	
3	104	0	0	1	10	28	40	21	4	0	0	
4	45	0	0	0	1	10	13	14	6	1	0	
5	14	0	0	0	0	5	3	3	3	0	0	
6+	22	0	0	0	4	4	12	2	0	0	0	

Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2021

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
State Total	6,168,187	69,269	73,831	-4,562	70,183	76,510	11.2	12.0	-0.7
Adair	25,185	266	290	-24	468	261	10.6	11.5	-1.0
Andrew	18,002	179	193	-14	0	120	9.9	10.7	-0.8
Atchison	5,234	38	95	-57	36	89	7.3	18.2	-11
Audrain	24,982	306	330	-24	86	245	12.2	13.2	-1.0
Barry	34,712	396	501	-105	272	339	11.4	14.4	-3.0
Barton	11,658	124	171	-47	9	113	10.6	14.7	-4.0
Bates	16,105	177	245	-68	7	187	11.0	15.2	-4.2
Benton	19,908	147	364	-217	5	243	7.4	18.3	-11
Bollinger	10,556	127	162	-35	4	97	12.0	15.3	-3.3
Boone	185,840	1,922	1,392	530	3,886	2,634	10.3	7.5	2.9
Buchanan	83,853	983	1,117	-134	1,412	1,298	11.7	13.3	-1.6
Butler	42,101	549	708	-159	1,343	824	13.0	16.8	-3.8
Caldwell	8,897	100	135	-35	4	66	11.2	15.2	-3.9
Callaway	44,638	448	501	-53	12	309	10.0	11.2	-1.2
Camden	43,436	354	664	-310	599	774	8.1	15.3	-7.1
Cape Girardeau	82,113	875	928	-53	1,942	1,538	10.7	11.3	-0.6
Carroll	8,376	94	111	-17	1	93	11.2	13.3	-2.0
Carter	5,320	97	102	-5	0	66	18.2	19.2	-0.9
Cass	109,638	1,181	1,258	-77	27	965	10.8	11.5	-0.7
Cedar	14,496	204	236	-32	54	178	14.1	16.3	-2.2
Chariton	7,356	80	118	-38	1	112	10.9	16.0	-5.2
Christian	91,499	1,072	948	124	9	492	11.7	10.4	1.4
Clark	6,736	76	102	-26	6	63	11.3	15.1	-3.9
Clay	255,518	2,948	2,245	703	3,589	2,802	11.5	8.8	2.8
Clinton	21,287	231	246	-15	76	279	10.9	11.6	-0.7
Cole	77,205	838	779	59	1,460	1,067	10.9	10.1	0.8
Cooper	17,115	194	227	-33	5	153	11.3	13.3	-1.9
Crawford	22,807	240	387	-147	214	334	10.5	17.0	-6.4
Dade	7,599	57	119	-62	3	100	7.5	15.7	-8.2
Dallas	17,341	221	302	-81	10	208	12.7	17.4	-4.7
Daviess	8,399	104	107	-3	66	60	12.4	12.7	-0.4
DeKalb	11,098	87	131	-44	0	76	7.8	11.8	-4.0
Dent	14,432	143	269	-126	2	201	9.9	18.6	-8.7
Douglas	11,732	150	229	-79	12	140	12.8	19.5	-6.7
Dunklin	27,717	366	519	-153	0	263	13.2	18.7	-5.5
Franklin	105,231	1,118	1,334	-216	808	1,091	10.6	12.7	-2.1
Gasconade	14,791	155	248	-93	2	201	10.5	16.8	-6.3
Gentry	6,173	75	105	-30	9	80	12.1	17.0	-4.9

Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2021

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Greene	300,865	3,267	3,581	-314	6,559	5,611	10.9	11.9	-1.0
Grundy	9,720	142	152	-10	18	111	14.6	15.6	-1.0
Harrison	8,164	84	110	-26	7	72	10.3	13.5	-3.2
Henry	22,206	264	340	-76	357	224	11.9	15.3	-3.4
Hickory	8,607	86	199	-113	7	114	10.0	23.1	-13
Holt	4,226	51	83	-32	2	54	12.1	19.6	-7.6
Howard	10,168	84	143	-59	0	98	8.3	14.1	-5.8
Howell	39,975	447	640	-193	574	667	11.2	16.0	-4.8
Iron	9,408	91	189	-98	0	128	9.7	20.1	-10
Jackson	716,862	8,348	7,850	498	9,325	9,505	11.6	11.0	0.7
Jasper	123,155	1,566	1,543	23	20	881	12.7	12.5	0.2
Jefferson	227,771	2,414	2,527	-113	549	1,875	10.6	11.1	-0.5
Johnson	54,150	706	562	144	687	459	13.0	10.4	2.7
Knox	3,808	43	67	-24	36	32	11.3	17.6	-6.3
Laclede	36,133	482	564	-82	335	419	13.3	15.6	-2.3
Lafayette	32,817	342	470	-128	5	319	10.4	14.3	-3.9
Lawrence	38,321	484	580	-96	169	436	12.6	15.1	-2.5
Lewis	10,000	89	155	-66	6	106	8.9	15.5	-6.6
Lincoln	61,586	807	607	200	9	382	13.1	9.9	3.2
Linn	11,843	138	186	-48	1	100	11.7	15.7	-4.1
Livingston	14,755	158	220	-62	264	187	10.7	14.9	-4.2
Macon	15,183	168	227	-59	18	200	11.1	15.0	-3.9
Madison	12,652	133	217	-84	1	155	10.5	17.2	-6.6
Maries	8,406	96	134	-38	2	72	11.4	15.9	-4.5
Marion	28,518	338	396	-58	630	473	11.9	13.9	-2.0
McDonald	23,383	337	303	34	12	170	14.4	13.0	1.5
Mercer	3,488	42	52	-10	30	28	12.0	14.9	-2.9
Miller	24,909	313	366	-53	3	231	12.6	14.7	-2.1
Mississippi	12,538	132	221	-89	0	109	10.5	17.6	-7.1
Moniteau	15,484	190	174	16	11	123	12.3	11.2	1.0
Monroe	8,712	89	122	-33	2	82	10.2	14.0	-3.8
Montgomery	11,415	136	185	-49	4	124	11.9	16.2	-4.3
Morgan	21,379	254	327	-73	108	213	11.9	15.3	-3.4
New Madrid	16,035	202	300	-98	0	221	12.6	18.7	-6.1
Newton	59,386	692	818	-126	3,037	1,992	11.7	13.8	-2.1
Nodaway	21,160	228	168	60	206	145	10.8	7.9	2.8
Oregon	8,631	115	179	-64	8	114	13.3	20.7	-7.4
Osage	13,379	163	165	-2	1	97	12.2	12.3	-0.1
Ozark	8,782	77	187	-110	5	94	8.8	21.3	-13

Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2021

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Adair	15,236	218	294	-76	2	201	14.3	19.3	-5.0
Pemiscot	15,236	220	225	-5	129	177	11.6	11.9	-0.3
Perry	18,922	598	517	81	398	497	13.8	12.0	1.9
Pettis	43,188	602	-178	718	705	9.4	13.4	-4.0	
Phelps	44,937	212	-10	11	136	11.4	11.9	-0.6	
Pike	17,761	907	322	534	731	11.3	8.4	3.0	
Platte	108,569	389	428	-39	533	432	12.1	13.4	-1.2
Polk	32,043	741	459	282	335	269	13.8	8.5	5.2
Pulaski	53,816	48	89	-41	17	64	10.2	18.9	-8.7
Putnam	4,712	99	137	-38	0	59	9.6	13.2	-3.7
Ralls	10,361	279	358	-79	6	268	11.3	14.5	-3.2
Randolph	24,760	258	354	-96	4	197	11.2	15.4	-4.2
Ray	23,008	53	112	-59	0	65	8.7	18.4	-9.7
Reynolds	6,087	140	236	-96	2	106	13.2	22.2	-9.0
Ripley	10,617	240	326	-86	283	238	10.3	14.0	-3.7
Saline	23,289	59	64	-5	13	39	14.7	15.9	-1.2
Schuylerville	4,025	87	68	19	99	68	18.5	14.5	4.0
Scotland	4,693	466	583	-117	432	531	12.3	15.4	-3.1
Scott	37,840	77	120	-43	3	68	10.8	16.9	-6.1
Shannon	7,106	64	87	-23	3	59	10.7	14.6	-3.8
Shelby	5,976	4,220	3,662	558	2,287	3,414	10.3	8.9	1.4
St. Charles	409,981	115	153	-38	28	115	12.3	16.3	-4.1
St. Clair	9,376	677	1,028	-351	533	863	10.0	15.2	-5.2
St. Francois	67,541	3,707	3,423	284	3,675	5,319	12.6	11.7	1.0
St. Louis City	997,187	10,494	11,370	-876	19,326	13,995	10.5	11.4	-0.9
St. Louis County	18,588	192	247	-55	147	167	10.3	13.3	-3.0
St. Genevieve	28,479	327	449	-122	5	316	11.5	15.8	-4.3
Stoddard	31,548	277	498	-221	6	243	8.8	15.8	-7.0
Stone	5,934	56	87	-31	1	56	9.4	14.7	-5.2
Sullivan	56,387	565	796	-231	548	749	10.0	14.1	-4.1
Taney	24,987	297	440	-143	136	341	11.9	17.6	-5.7
Texas	19,595	253	339	-86	372	243	12.9	17.3	-4.4
Vernon	604	433	463	-30	4	262	11.9	12.7	-0.8
Warren	16	272	398	-126	3	253	11.6	16.9	-5.4
Washington	18,610	247	292	-45	21	165	13.3	15.7	-2.4

Table 16B. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Cities with Over 25,000 Population: Missouri, 2021

Cities with Population 25,000+	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Ballwin	30,870	331	279	52	0	313	10.7	9.0	1.7
Blue Springs	59,430	614	559	55	0	541	10.3	9.4	0.9
Cape Girardeau	39,820	425	500	-75	1,940	1,349	10.7	12.6	-1.9
Chesterfield	49,703	370	544	-174	1,324	1,020	7.4	10.9	-3.5
Columbia	126,853	1,233	872	361	3,882	2,475	9.7	6.9	2.8
Florissant	52,003	621	695	-74	0	754	11.9	13.4	-1.4
Gladstone	27,017	330	313	17	4	123	12.2	11.6	0.6
Grandview	25,844	396	318	78	20	139	15.3	12.3	3.0
Hazelwood	25,241	290	280	10	1	94	11.5	11.1	0.4
Independence	122,088	1,342	1,694	-352	1,201	1,719	11.0	13.9	-2.9
Jefferson City	42,722	466	491	-25	1,447	1,027	10.9	11.5	-0.6
Kirkwood	29,371	275	305	-30	2	161	9.4	10.4	-1.0
Lee's Summit	102,781	1,043	841	202	1,724	1,137	10.1	8.2	2.0
Liberty	30,377	303	275	28	1,630	638	10.0	9.1	0.9
Maryland Heights	28,024	329	265	64	0	237	11.7	9.5	2.3
O'Fallon	93,644	978	740	238	980	607	10.4	7.9	2.5
Raytown	29,580	332	402	-70	3	181	11.2	13.6	-2.4
St. Charles	70,820	732	775	-43	0	1,161	10.3	10.9	-0.6
St. Joseph	71,602	862	961	-99	1,402	1,270	12.0	13.4	-1.4
St. Louis City	293,310	3,707	3,423	284	3,675	5,319	12.6	11.7	1.0
St. Peters	58,129	553	555	-2	0	692	9.5	9.5	-0.0
Springfield	169,724	1,814	2,250	-436	6,545	5,184	10.7	13.3	-2.6
University City	34,629	419	400	19	2	140	12.1	11.6	0.5
Wentzville	45,452	526	307	219	4	201	11.6	6.8	4.8
Wildwood	35,255	271	190	81	0	87	7.7	5.4	2.3

Table 16C. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Multi-County Cities: Missouri, 2021

Multi-County Cities	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Joplin	51,846	627	676	-49	3,021	2,034	12.1	13.0	-0.9
...Jasper Co. Part	44,535	576	583	-7	0	431	12.9	13.1	-0.2
...Newton Co. Part	7,311	51	93	-42	3,021	1,603	7.0	12.7	-5.7
Kansas City	508,394	6,314	4,886	1,428	6,862	6,577	12.4	9.6	2.8
...Jackson Co. Part	314,956	3,947	3,385	562	6,322	5,506	12.5	10.7	1.8
...Clay Co. Part	139,432	1,709	1,018	691	25	532	12.3	7.3	5.0
...Platte Co. Part	53,905	658	482	176	515	538	12.2	8.9	3.3
...Cass Co. Part	101	0	1	-1	0	1	0.0	9.9	-9.9

Table 17A. Resident Live Births and Deaths by Cities with 10,000 to 24,999 Population: Missouri, 2021

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths	Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Arnold	192	268	Overland	191	170
Bellefontaine Neighbors	127	150	Ozark	308	233
Benton	304	279	Poplar Bluff	257	312
Bolivar	145	147	Raymore	217	268
Branson	131	173	Republic	301	167
Bridgeton	116	162	Rolla	212	239
Carthage	269	197	St. Ann	152	163
Clayton	75	82	Sedalia	324	282
Crestwood	144	144	Sikeston	227	277
Creve Coeur	126	231	Smithville	120	79
Dardenne Prairie	89	102	Town and Country	55	205
Ellisville	76	143	Troy	166	138
Eureka	128	114	Union	157	160
Excelsior Springs	124	150	Warrensburg	204	157
Farmington	183	296	Washington	168	200
Ferguson	271	219	Webb City	193	170
Festus	146	146	Webster Groves	242	261
Fulton	138	165	West Plains	142	225
Grain Valley	188	116			
Hannibal	219	277			
Harrisonville	124	170			
Jackson	184	167			
Jennings	151	188			
Kearney	116	87			
Kennett	137	208			
Kirksville	189	200			
Lake St. Louis	136	164			
Lebanon	241	272			
Manchester	192	133			
Marshall	164	172			
Maryville	104	86			
Mexico	135	170			
Moberly	157	197			
Neosho	203	164			
Nixa	293	243			

Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2021

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Ashland	65	32
Aurora	103	111
Ava	49	56
Battlefield	76	42
Berkeley	132	124
Bethany	27	42
Black Jack	77	94
Bonne Terre	66	101
Boonville	85	127
Bowling Green	37	49
Breckenridge Hills	54	53
Brentwood	106	44
Brookfield	55	70
Buckner	36	37
Buffalo	47	76
Butler	57	81
Byrnes Mill	32	36
California	50	49
Camdenton	50	70
Cameron	82	113
Canton	17	30
Carl Junction	91	68
Carrollton	42	50
Caruthersville	88	112
Cassville	35	59
Centralia	51	73
Chaffee	38	63
Charleston	46	72
Chillicothe	104	169
Clarkson Valley	9	14
Clever	54	22
Clinton	124	150
Cottleville	52	37
Crystal City	8	5
Cuba	41	66

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Dellwood	67	66
Deslodge	54	76
De Soto	86	135
Des Peres	78	92
Dexter	110	124
East Prairie	36	49
Eldon	56	82
El Dorado Springs	61	87
Fayette	22	39
Fenton	40	47
Forsyth	16	56
Fredricktown	58	87
Frontenac	19	35
Glendale	89	33
Green Park	18	58
Greenwood	66	36
Herculaneum	58	60
Higginsville	55	80
Hillsboro	49	23
Hollister	52	61
Holts Summit	45	47
Knob Noster	42	33
Ladue	86	56
Lamar	56	75
Lawson	26	48
Lexington	46	85
Licking	22	32
Louisiana	32	46
Macon	62	92
Malden	52	64
Maplewood	84	54
Marshfield	107	128
Monett	134	126
Monroe City	33	33
Montgomery City	43	43

Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2021

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Moscow Mills	61	23
Mountain Grove	64	96
Mountain View	45	45
Mount Vernon	69	99
Nevada	108	180
New Madrid	45	45
Normandy	48	53
North Kansas City	42	60
Northwoods	40	77
Oak Grove	101	99
Odessa	74	80
Olivette	58	56
Oronogo	33	18
Osage Beach	40	89
Owensville	40	62
Pacific	70	89
Pagedale	37	63
Palmyra	36	53
Park Hills	100	101
Parkville	76	51
Peculiar	74	45
Perryville	112	139
Pevely	90	69
Pine Lawn	35	48
Platte City	52	58
Pleasant Hill	98	90
Pleasant Valley	39	47
Portageville	28	38
Potosi	42	74
Richmond	83	107
Richmond Heights	93	85
Riverside	64	38
Rock Hill	56	46
Rogersville	85	45
St. Clair	53	65

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Ste. Genevieve	54	86
St. James	51	92
St. John	72	68
St. Paul	18	10
St. Robert	75	29
Salem	54	101
Savannah	57	67
Scott City	47	71
Shrewsbury	62	109
Stratford	42	42
Sugar Creek	29	47
Sullivan	89	113
Sunset Hills	51	145
Tipton	32	42
Trenton	62	97
Valley Park	78	107
Vandalia	27	47
Versailles	26	59
Warrenton	130	121
Waynesville	78	51
Weldon Spring	22	84
Willard	75	42
Windsor	31	51
Woodson Terrace	39	34
Wright City	71	46

Table 18A. Twelve Leading Causes of Death and Death Rates per 100,000 Residents: Missouri, 2021

Race	Causes of Death	Number	Crude Rate	Age-Adjusted Rate	Percent Of Total
Total (All Races)	1. Diseases of heart	15,716	254.8	202.5	21.3
	2. Malignant neoplasms	13,146	213.1	164.1	17.8
	3. COVID-19	7,757	125.8	100.4	10.5
	4. Unintentional injuries	4,814	78.0	75.1	6.5
	5. Chronic lower respiratory disease	3,624	58.8	45.2	4.9
	6. Cerebrovascular diseases	3,177	51.5	41.0	4.3
	7. Alzheimer's disease	2,518	40.8	33.0	3.4
	8. Diabetes mellitus	1,876	30.4	24.0	2.5
	9. Nephritis and nephrosis	1,542	25.0	19.9	2.1
	10. Suicide	1,174	19.0	18.7	1.6
	11. Septicemia	999	16.2	12.7	1.4
	12. Chronic liver disease and cirrhosis	959	15.5	13.0	1.3
	All other causes	16,529	268.0	221.9	22.4
	Total (All Causes)	73,831	1197.0	971.6	100.0

Table 18B. Twelve Leading Causes of Resident Death and Percentages by Race: Missouri, 2021

Race	Causes of Death	Number	Percent Of Total	Race	Causes of Death	Number	Percent Of Total
White, Non-Hispanic	1. Diseases of heart 2. Malignant neoplasms 3. COVID-19 4. Unintentional injuries 5. Chronic lower respiratory disease 6. Cerebrovascular diseases 7. Alzheimer's disease 8. Diabetes mellitus 9. Nephritis and nephrosis 10. Suicide 11. Chronic liver disease and cirrhosis 12. Septicemia All other causes Total (All Causes)	13,593 11,532 6,514 3,769 3,370 2,685 2,292 1,535 1,276 1,039 848 848 13,933 63,234	21.5 18.2 10.3 6.0 5.3 4.2 3.6 2.4 2.0 1.6 1.3 1.3 22.0 100.0	Other Races	1. Diseases of heart 2. Malignant neoplasms 3. COVID-19 4. Unintentional injuries 5. Cerebrovascular diseases 6. Diabetes mellitus 7. Chronic lower respiratory disease 8. Alzheimer's disease 9. Nephritis and nephrosis 10. Suicide 11. Chronic liver disease and cirrhosis 12. Septicemia All other causes Total (All Causes)	189 161 148 95 44 29 26 24 24 24 23 15 255 1,057	17.9 15.2 14.0 9.0 4.2 2.7 2.5 2.3 2.3 2.3 2.2 1.4 24.1 100.0
Hispanic, Any Race	1. COVID-19 2. Diseases of heart 3. Malignant neoplasms 4. Unintentional injuries 5. Cerebrovascular diseases 6. Nephritis and nephrosis 7. Chronic liver disease and cirrhosis 8. Diabetes mellitus 9. Alzheimer's disease 10. Chronic lower respiratory disease 11. Homicide 12. Suicide All other causes Total (All Causes)					215 135 117 96 38 25 21 20 19 18 17 17 169 907	23.7 14.9 12.9 10.6 4.2 2.8 2.3 2.2 2.1 2.0 1.9 1.9 18.6 100.0
Black, Non-Hispanic	1. Diseases of heart 2. Malignant neoplasms 3. COVID-19 4. Unintentional injuries 5. Homicide 6. Cerebrovascular diseases 7. Diabetes mellitus 8. Nephritis and nephrosis 9. Chronic lower respiratory disease 10. Alzheimer's disease 11. Septicemia 12. Suicide All other causes Total (All Causes)	1,787 1,334 873 851 477 404 290 216 203 182 125 93 1,740 8,575	20.8 15.6 10.2 9.9 5.6 4.7 3.4 2.5 2.4 2.1 1.5 1.1 20.3 100.0				

Table 19. Five Leading Causes of Death and Percentages for Selected Resident Age Groups: Missouri, 2021

Age Group	Causes of Death	Number	Percent Of Total	Age Group	Causes of Death	Number	Percent Of Total
Under 1	1. Conditions orig. in perinatal period	178	45.3	45-54	1. Diseases of heart	895	20.3
	2. Congenital anomalies	73	18.6		2. Malignant neoplasms	684	15.5
	3. Unintentional injuries	53	13.5		3. COVID-19	632	14.3
	4. Homicide	9	2.3		4. Unintentional injuries	596	13.5
	5. Diseases of heart	6	1.5		5. Suicide	166	3.8
	Total (All Causes)	393	100.0		Total (All Causes)	4,416	100.0
1-4	1. Unintentional injuries	39	37.1	55-64	1. Malignant neoplasms	2,558	23.8
	2. Homicide	12	11.4		2. Diseases of heart	2,249	20.9
	3. Malignant neoplasms	9	8.6		3. COVID-19	1,391	12.9
	4. Conditions orig. in perinatal period	4	3.8		4. Unintentional injuries	664	6.2
	4. Congenital anomalies	4	3.8		5. Chronic lower respiratory disease	518	4.8
	Total (All Causes)	105	100.0		Total (All Causes)	10,746	100.0
5-14	1. Unintentional injuries	56	42.7	65-74	1. Malignant neoplasms	3,990	25.3
	2. Homicide	16	12.2		2. Diseases of heart	3,252	20.6
	3. Suicide	14	10.7		3. COVID-19	1,944	12.3
	4. Malignant neoplasms	6	4.6		4. Chronic lower respiratory disease	1,033	6.5
	5. Diseases of heart	5	3.8		5. Cerebrovascular diseases	624	4.0
	Total (All Causes)	131	100.0		Total (All Causes)	15,775	100.0
15-24	1. Unintentional injuries	360	41.5	75-84	1. Diseases of heart	3,820	21.6
	2. Suicide	164	18.9		2. Malignant neoplasms	3,548	20.0
	3. Homicide	153	17.6		3. COVID-19	1,889	10.7
	4. COVID-19	24	2.8		4. Chronic lower respiratory disease	1,105	6.2
	4. Diseases of heart	24	2.8		5. Cerebrovascular diseases	882	5.0
	Total (All Causes)	867	100.0		Total (All Causes)	17,707	100.0
25-34	1. Unintentional injuries	799	43.7	85 and Over	1. Diseases of heart	5,067	26.4
	2. Suicide	255	13.9		2. Malignant neoplasms	2,021	10.5
	3. Homicide	225	12.3		3. Alzheimer's disease	1,550	8.1
	4. Diseases of heart	95	5.2		4. COVID-19	1,522	7.9
	5. COVID-19	87	4.8		5. Cerebrovascular diseases	1,141	5.9
	Total (All Causes)	1,829	100.0		Total (All Causes)	19,221	100.0
35-44	1. Unintentional injuries	788	29.8				
	2. Diseases of heart	301	11.4				
	3. COVID-19	266	10.1				
	4. Malignant neoplasms	247	9.4				
	5. Suicide	184	7.0				
	Total (All Causes)	2,641	100.0				

Table 20. Resident Deaths with Age-Specific Rates per 1,000 Residents By Age Groups By Sex and Race: Missouri, 2021

Age at Death	Age-Specific Rate			All Races			White, Non-Hispanic			Black, Non-Hispanic		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	12.0	12.8	11.2	73,831	38,971	34,860	63,234	33,132	30,102	8,575	4,691	3,884
Under 1	5.7	6.3	5.1	393	222	171	232	135	97	116	62	54
1-4	0.4	0.4	0.3	105	64	41	71	44	27	24	14	10
5-9	0.1	0.2	0.1	50	31	19	34	22	12	12	5	7
10-14	0.2	0.3	0.1	81	52	29	55	36	19	17	11	6
15-19	0.8	1.2	0.5	331	236	95	195	134	61	107	84	23
20-24	1.3	2.0	0.6	536	411	125	349	263	86	148	117	31
25-29	2.0	2.9	1.0	805	596	209	539	393	146	212	160	52
30-34	2.5	3.5	1.5	1,024	708	316	713	493	220	257	177	80
35-39	2.9	4.0	1.8	1,171	802	369	838	568	270	273	191	82
40-44	3.9	4.9	2.8	1,470	937	533	1,084	682	402	313	211	102
45-49	5.1	6.5	3.7	1,782	1,126	656	1,290	812	478	388	243	145
50-54	7.1	8.9	5.2	2,634	1,657	977	2,051	1,303	748	467	278	189
55-59	10.8	13.1	8.6	4,398	2,631	1,767	3,523	2,094	1,429	742	450	292
60-64	15.2	18.8	11.8	6,348	3,821	2,527	5,200	3,124	2,076	954	581	373
65-69	20.3	25.1	15.9	7,236	4,267	2,969	6,083	3,594	2,489	958	558	400
70-74	29.2	34.9	24.2	8,539	4,749	3,790	7,397	4,157	3,240	962	493	469
75-79	45.9	53.5	39.7	8,780	4,614	4,166	7,798	4,134	3,664	787	385	402
80-84	71.9	84.7	62.5	8,927	4,462	4,465	8,131	4,095	4,036	611	269	342
85 and Over	161.5	179.6	151.5	19,221	7,585	11,636	17,651	7,049	10,602	1,227	402	825

Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2021

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	73,831	393	105	50	81	331	536	805	1,024	1,171	1,470
COVID-19	7,757	1	0	1	0	8	16	38	49	105	161
Septicemia	999	2	0	0	0	2	2	5	5	13	12
HIV / AIDS	63	0	0	0	0	0	1	2	5	6	3
Malignant neoplasms	13,146	0	9	3	3	11	8	20	44	86	161
...Colon, rectum, and anus	1,165	0	0	0	0	0	1	1	7	15	25
...Pancreas	990	0	0	0	0	0	0	0	0	3	7
...Trachea, bronchus, and lung	3,460	0	0	0	0	0	0	0	1	1	17
...Breast	883	0	0	0	0	0	0	0	1	6	15
...Cervix uteri, corpus uteri, and ovary	525	0	0	0	0	0	0	0	0	8	13
...Prostate	578	0	0	0	0	0	0	0	0	0	1
...Urinary tract	710	0	0	0	0	0	0	0	2	2	6
...Non-Hodgkin's lymphoma	414	0	0	0	0	0	1	0	2	2	3
...Leukemia	503	0	6	0	0	1	1	2	1	3	4
...Other malignant neoplasms	3,918	0	3	3	3	10	5	15	18	31	52
Diabetes mellitus	1,876	0	0	0	1	2	2	12	10	26	37
Alzheimer's disease	2,518	0	0	0	0	0	0	0	0	0	2
Parkinson's disease	802	0	0	0	0	0	0	0	0	1	1
Diseases of heart	15,716	6	2	1	4	10	14	28	67	103	198
Essential hypertension	500	0	0	0	0	0	0	0	0	3	2
Cerebrovascular diseases	3,177	3	0	0	1	1	1	4	14	14	23
Influenza and pneumonia	885	2	2	0	0	0	1	1	4	9	17
Chronic lower respiratory disease	3,624	2	1	1	2	2	3	3	6	7	14
Pneumonitis due to solids and liquids	529	0	0	0	0	0	1	1	1	5	2
Chronic liver disease and cirrhosis	959	0	0	0	0	0	2	10	23	40	54
Nephritis and nephrosis	1,542	2	0	0	0	1	0	2	11	13	13
Perinatal conditions	182	178	4	0	0	0	0	0	0	0	0
Congenital anomalies	178	73	4	1	2	4	3	4	2	7	1
Symptoms and ill-defined conditions	614	32	5	1	2	6	7	7	12	12	9
All other diseases	11,836	27	21	11	9	26	44	55	80	133	188
Unintentional injuries	4,814	53	39	23	33	127	233	367	432	384	404
...Motor vehicle crashes	1,055	1	8	10	12	77	87	99	101	80	75
...Falls	854	0	0	0	0	2	2	0	6	8	5
...Accidental poisoning	2,100	1	0	0	7	36	131	248	298	267	292
...Other unintentional injuries	805	51	31	13	14	12	13	20	27	29	32
Suicide	1,174	0	0	0	14	57	107	125	130	103	81
Homicide	716	9	12	8	8	71	82	111	114	83	65
All other external causes	224	3	6	0	2	3	9	13	12	19	16

Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2021

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	1,782	2,634	4,398	6,348	7,236	8,539	8,780	8,927	19,221	0
COVID-19	247	385	571	820	900	1,044	956	933	1,522	0
Sepicemia	16	38	65	95	109	157	124	125	232	0
HIV / AIDS	4	6	10	11	6	5	1	3	0	0
Malignant neoplasms	232	452	1,006	1,552	1,899	2,091	1,881	1,667	2,021	0
...Colon, rectum, and anus	38	64	88	119	139	155	136	144	233	0
...Pancreas	19	33	69	119	164	177	153	129	117	0
...Trachea, bronchus, and lung	39	91	295	478	565	632	550	426	365	0
...Breast	18	35	73	112	131	104	103	98	157	0
...Cervix uteri, corpus uteri, and ovary	20	26	44	60	81	72	74	59	52	0
...Prostate	2	2	17	43	53	86	107	107	160	0
...Urinary tract	2	16	49	68	84	100	105	107	169	0
...Non-Hodgkin's lymphoma	4	6	15	26	38	61	75	75	105	0
...Leukemia	6	12	31	44	58	80	73	83	98	0
...Other malignant neoplasms	84	167	325	483	586	624	505	439	565	0
Diabetes mellitus	46	78	135	204	223	284	286	195	335	0
Alzheimer's disease	0	1	9	19	64	141	269	463	1,550	0
Parkinson's disease	0	2	2	11	35	79	160	196	315	0
Diseases of heart	322	573	888	1,361	1,506	1,746	1,886	1,934	5,067	0
Essential hypertension	7	13	18	33	41	51	56	55	213	0
Cerebrovascular diseases	44	88	125	212	274	350	427	455	1,141	0
Influenza and pneumonia	11	22	51	56	79	98	110	120	302	0
Chronic lower respiratory disease	35	74	180	338	437	596	573	532	818	0
Pneumonitis due to solids and liquids	3	8	32	29	44	51	49	70	233	0
Chronic liver disease and cirrhosis	73	80	139	162	122	94	60	64	36	0
Nephritis and nephrosis	24	46	75	108	129	185	214	239	480	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	6	8	13	21	11	4	4	2	8	0
Symptoms and ill-defined conditions	12	17	32	42	55	50	56	68	189	0
All other diseases	261	331	546	826	974	1,224	1,416	1,548	4,116	0
Unintentional injuries	310	286	357	307	233	218	204	210	594	0
...Motor vehicle crashes	69	61	90	68	63	56	38	29	31	0
...Falls	13	14	24	46	44	73	93	116	408	0
...Accidental poisoning	202	188	202	131	72	15	3	1	6	0
...Other unintentional injuries	26	23	41	62	54	74	70	64	149	0
Suicide	78	88	98	92	61	48	26	33	33	0
Homicide	43	26	29	29	11	8	3	3	1	0
All other external causes	8	12	17	20	23	15	19	12	15	0

Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2021

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	38,971	222	64	31	52	236	411	596	708	802	937
COVID-19	4,261	1	0	1	0	6	8	23	28	66	84
Septicemia	501	1	0	0	0	2	0	4	7	5	8
HIV / AIDS	55	0	0	0	0	1	2	5	5	3	3
Malignant neoplasms	6,976	0	4	3	2	8	6	14	17	33	71
...Colon, rectum, and anus	613	0	0	0	0	1	1	4	10	14	
...Pancreas	518	0	0	0	0	0	0	0	2	4	
...Trachea, bronchus, and lung	1,878	0	0	0	0	0	0	0	0	10	
...Breast	7	0	0	0	0	0	0	0	0	0	
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0	
...Prostate	578	0	0	0	0	0	0	0	0	0	
...Urinary tract	487	0	0	0	0	0	0	2	2	4	
...Non-Hodgkin's lymphoma	231	0	0	0	0	0	0	0	1	1	
...Leukemia	265	0	4	0	0	1	1	0	1	0	
...Other malignant neoplasms	2,399	0	0	3	2	7	4	13	9	18	
Diabetes mellitus	1,075	0	0	0	0	2	1	7	6	17	
Alzheimer's disease	778	0	0	0	0	0	0	0	0	0	
Parkinson's disease	459	0	0	0	0	0	0	0	0	1	
Diseases of heart	8,679	4	1	0	4	8	12	21	41	68	
Essential hypertension	208	0	0	0	0	0	0	0	2	2	
Cerebrovascular diseases	1,355	2	0	0	0	0	0	0	3	9	
Influenza and pneumonia	440	0	1	0	0	0	1	1	2	6	
Chronic lower respiratory disease	1,751	1	1	1	2	0	2	3	5	3	
Pneumonitis due to solids and liquids	322	0	0	0	0	0	1	1	0	4	
Chronic liver disease and cirrhosis	599	0	0	0	0	0	0	7	16	25	
Nephritis and nephrosis	769	0	0	0	0	0	0	1	3	8	
Perinatal conditions	101	99	2	0	0	0	0	0	0	0	
Congenital anomalies	100	43	2	0	1	2	1	3	1	5	
Symptoms and ill-defined conditions	301	22	4	0	1	1	6	3	6	9	
All other diseases	5,393	18	12	7	5	15	24	33	49	80	
Unintentional injuries	3,161	24	25	16	19	77	179	266	307	283	
...Motor vehicle crashes	759	1	3	7	9	42	67	71	70	55	
...Falls	420	0	0	0	0	1	2	0	5	8	
...Accidental poisoning	1,468	0	0	0	1	24	99	182	212	194	
...Other unintentional injuries	514	23	22	9	9	10	11	13	20	26	
Suicide	980	0	0	0	10	50	94	108	107	85	
Homicide	575	5	7	3	6	62	69	90	89	71	
All other external causes	132	2	5	0	2	3	4	10	11	14	

Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2021

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	1,126	1,657	2,631	3,821	4,267	4,749	4,614	4,462	7,585	0
COVID-19	148	247	343	467	512	564	572	498	693	0
Sepicemia	11	18	38	48	55	83	67	61	96	0
HIV / AIDS	4	5	9	10	4	4	0	3	0	0
Malignant neoplasms	113	238	528	859	1,077	1,140	1,001	892	970	0
...Colon, rectum, and anus	17	37	51	71	83	84	76	63	101	0
...Pancreas	11	19	37	65	103	102	80	58	37	0
...Trachea, bronchus, and lung	25	45	150	281	337	332	299	228	171	0
...Breast	0	0	1	2	1	1	1	0	1	0
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0
Prostate	2	2	17	43	53	86	107	107	160	0
Urinary tract	1	14	37	51	53	72	65	80	106	0
...Non-Hodgkin's lymphoma	3	4	8	16	26	37	47	41	46	0
...Leukemia	4	6	15	23	28	44	37	51	47	0
...Other malignant neoplasms	50	111	212	307	393	382	289	264	301	0
Diabetes mellitus	28	50	87	136	137	164	158	103	155	0
Alzheimer's disease	0	0	5	8	21	41	94	169	440	0
Parkinson's disease	0	2	1	8	21	55	98	106	166	0
Diseases of heart	232	394	582	917	985	1,101	1,068	1,040	2,055	0
Essential hypertension	5	7	13	21	25	23	20	21	65	0
Cerebrovascular diseases	20	54	63	114	160	165	206	197	342	0
Influenza and pneumonia	7	9	25	31	49	55	64	60	121	0
Chronic lower respiratory disease	17	34	91	175	234	299	271	251	356	0
Pneumonitis due to solids and liquids	2	5	20	18	32	32	32	42	132	0
Chronic liver disease and cirrhosis	48	54	86	94	82	58	37	31	24	0
Nephritis and nephrosis	14	24	35	63	71	91	104	129	219	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	4	7	5	10	5	3	2	0	5	0
Symptoms and ill-defined conditions	6	7	19	26	34	26	31	29	64	0
All other diseases	153	201	331	475	520	645	641	680	1,392	0
Unintentional injuries	214	203	242	233	170	142	113	112	254	0
...Motor vehicle crashes	54	46	64	56	52	40	24	20	22	0
...Falls	11	9	15	30	26	39	48	55	166	0
...Accidental poisoning	128	131	131	97	54	14	2	1	2	0
...Other unintentional injuries	21	17	32	50	38	49	39	36	64	0
Suicide	59	71	77	77	48	44	24	31	31	0
Homicide	35	22	23	19	9	6	2	1	0	0
All other external causes	6	5	8	12	16	8	9	6	5	0

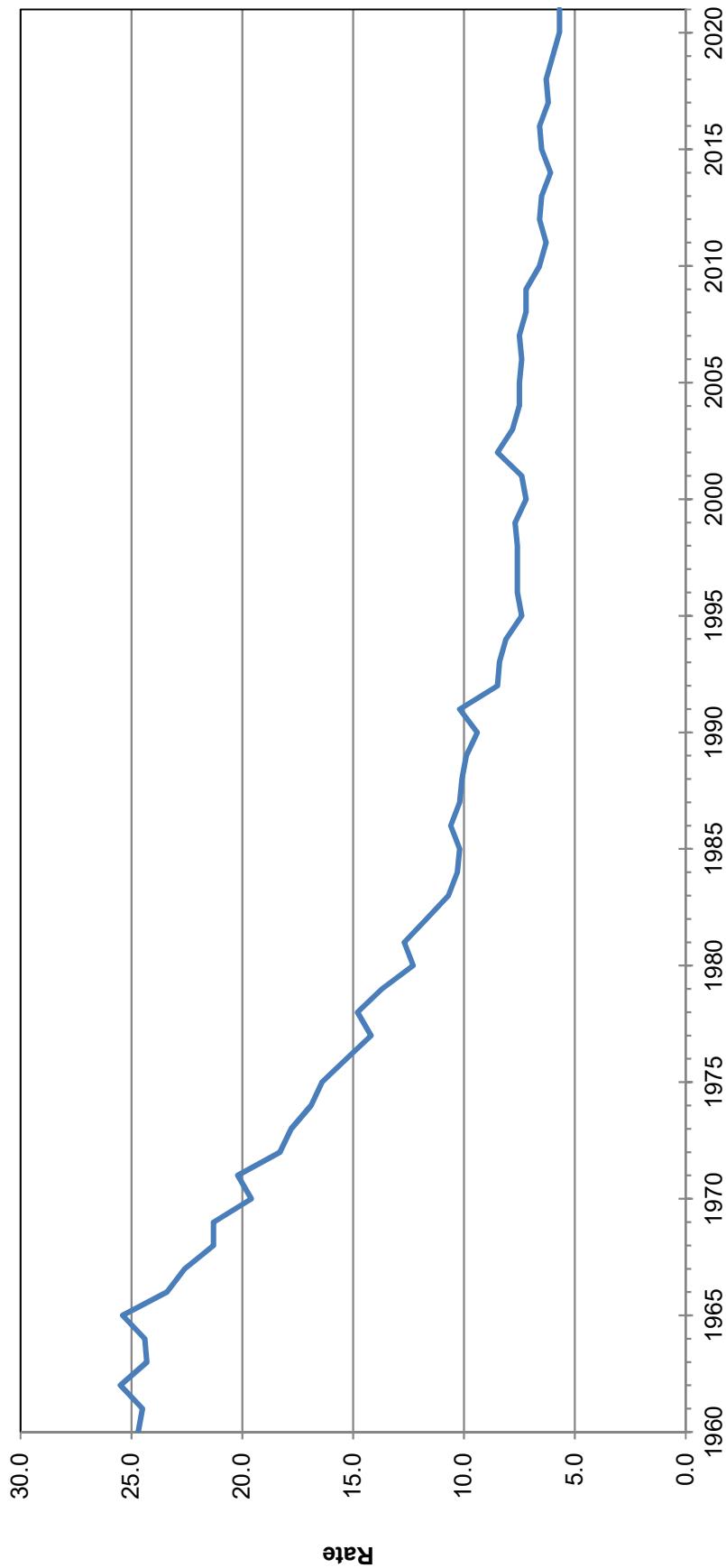
Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2021

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	34,860	171	41	19	29	95	125	209	316	369	533
COVID-19	3,496	0	0	0	2	8	15	21	39	77	
Septicemia	498	1	0	0	0	0	2	1	6	4	
HIV / AIDS	8	0	0	0	0	0	0	0	1	0	
Malignant neoplasms	6,170	0	5	0	1	3	2	6	27	53	90
...Colon, rectum, and anus	552	0	0	0	0	0	0	0	3	5	11
...Pancreas	472	0	0	0	0	0	0	0	0	1	3
...Trachea, bronchus, and lung	1,582	0	0	0	0	0	0	1	0	1	7
...Breast	876	0	0	0	0	0	0	1	6	15	30
...Cervix uteri, corpus uteri, and ovary	525	0	0	0	0	0	0	0	8	13	16
...Prostate	0	0	0	0	0	0	0	0	0	0	0
...Urinary tract	223	0	0	0	0	0	0	0	0	0	2
...Non-Hodgkin's lymphoma	183	0	0	0	0	0	1	0	1	2	2
...Leukemia	238	0	2	0	0	0	0	2	0	3	1
...Other malignant neoplasms	1,519	0	3	0	1	3	1	2	9	13	18
Diabetes mellitus	801	0	0	0	1	0	1	5	4	9	13
Alzheimer's disease	1,740	0	0	0	0	0	0	0	0	0	2
Parkinson's disease	343	0	0	0	0	0	0	0	0	0	0
Diseases of heart	7,037	2	1	0	2	2	2	7	26	35	52
Essential hypertension	292	0	0	0	0	0	0	0	1	0	4
Cerebrovascular diseases	1,822	1	0	0	1	1	1	1	5	4	13
Influenza and pneumonia	445	2	1	0	0	0	0	0	2	3	9
Chronic lower respiratory disease	1,873	1	0	0	0	2	1	0	1	4	9
Pneumonitis due to solids and liquids	207	0	0	0	0	0	0	0	1	1	1
Chronic liver disease and cirrhosis	360	0	0	0	0	0	2	3	7	15	17
Nephritis and nephrosis	773	2	0	0	0	1	0	1	8	5	6
Perinatal conditions	81	79	2	0	0	0	0	0	0	0	0
Congenital anomalies	78	30	2	1	1	2	2	1	1	2	0
Symptoms and ill-defined conditions	313	10	1	1	5	1	4	6	3	2	
All other diseases	6,443	9	9	4	4	11	20	22	31	53	76
Unintentional injuries	1,653	29	14	7	14	50	54	101	125	101	122
...Motor vehicle crashes	296	0	5	3	3	35	20	28	31	25	19
...Falls	434	0	0	0	1	0	0	1	0	0	0
...Accidental poisoning	632	1	0	0	6	12	32	66	86	73	96
...Other unintentional injuries	291	28	9	4	5	2	2	7	7	3	7
Suicide	194	0	0	4	4	7	13	17	23	18	17
Homicide	141	4	5	2	9	13	21	25	12	9	
All other external causes	92	1	1	0	0	0	5	3	1	5	10

Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2021

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	656	977	1,767	2,527	2,969	3,790	4,166	4,465	11,636	0
COVID-19	99	138	228	353	388	480	384	435	829	0
Sepicemia	5	20	27	47	54	74	57	64	136	0
HIV / AIDS	0	1	1	1	2	1	1	0	0	0
Malignant neoplasms	119	214	478	693	822	951	880	775	1,051	0
...Colon, rectum, and anus	21	27	37	48	56	71	60	81	132	0
...Pancreas	8	14	32	54	61	75	73	71	80	0
...Trachea, bronchus, and lung	14	46	145	197	228	300	251	198	194	0
...Breast	18	35	72	110	130	103	102	98	156	0
...Cervix uteri, corpus uteri, and ovary	20	26	44	60	81	72	74	59	52	0
...Prostate	0	0	0	0	0	0	0	0	0	0
...Urinary tract	1	2	12	17	31	28	40	27	63	0
...Non-Hodgkin's lymphoma	1	2	7	10	12	24	28	34	59	0
...Leukemia	2	6	16	21	30	36	36	32	51	0
...Other malignant neoplasms	34	56	113	176	193	242	216	175	264	0
Diabetes mellitus	18	28	48	68	86	120	128	92	180	0
Alzheimer's disease	0	1	4	11	43	100	175	294	1,110	0
Parkinson's disease	0	0	1	3	14	24	62	90	149	0
Diseases of heart	90	179	306	444	521	645	818	894	3,012	0
Essential hypertension	2	6	5	12	16	28	36	34	148	0
Cerebrovascular diseases	24	34	62	98	114	185	221	258	799	0
Influenza and pneumonia	4	13	26	25	30	43	46	60	181	0
Chronic lower respiratory disease	18	40	89	163	203	297	302	281	462	0
Pneumonitis due to solids and liquids	1	3	12	11	12	19	17	28	101	0
Chronic liver disease and cirrhosis	25	26	53	68	40	36	23	33	12	0
Nephritis and nephrosis	10	22	40	45	58	94	110	110	261	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	2	1	8	11	6	1	2	2	3	0
Symptoms and ill-defined conditions	6	10	13	16	21	24	25	39	125	0
All other diseases	108	130	215	351	454	579	775	868	2,724	0
Unintentional injuries	96	83	115	74	63	76	91	98	340	0
...Motor vehicle crashes	15	15	26	12	11	16	14	9	9	0
...Falls	2	5	9	16	18	34	45	61	242	0
...Accidental poisoning	74	57	71	34	18	1	1	0	4	0
...Other unintentional injuries	5	6	9	12	16	25	31	28	85	0
Suicide	19	17	21	15	13	4	2	2	2	0
Homicide	8	4	6	10	2	1	2	1	1	0
All other external causes	2	7	9	8	7	7	10	6	10	0

Graph E. Resident Infant Deaths per 1,000 Live Births: Missouri, 1960-2021



Year	Infant Deaths	Rate									
1960	2,414	24.7	1985	784	10.2	2010	504	6.6	2017	455	6.2
1965	2,060	25.4	1990	746	9.4	2013	488	6.5	2018	459	6.3
1970	1,580	19.6	1995	539	7.4	2014	456	6.1	2019	432	6.0
1975	1,123	16.4	2000	547	7.2	2015	489	6.5	2020	392	5.7
1980	970	12.3	2005	588	7.5	2016	490	6.6	2021	393	5.7

**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths
by County and Cities w/25,000 or More Population: Missouri, 2021**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
State Total	624	393	393	231	162	34
Counties						
Adair	4	2	2	0	0	0
Andrew	1	0	1	0	0	0
Atchison	1	0	1	0	0	0
Audrain	4	2	2	0	0	0
Barry	1	1	1	0	0	0
Barton	2	0	2	0	0	0
Bates	0	0	0	0	0	0
Benton	2	0	2	0	0	0
Bollinger	0	1	0	1	0	0
Boone	19	10	11	8	2	2
Buchanan	9	11	4	5	6	1
Butler	1	2	0	1	0	0
Caldwell	1	2	0	1	0	0
Callaway	2	2	2	0	2	0
Camden	3	3	1	2	1	1
Cape Girardeau	9	1	8	1	0	0
Carroll	0	0	0	0	0	0
Carter	1	1	0	1	0	0
Cass	7	4	4	3	1	1
Cedar	0	0	0	0	0	0
Chariton	1	0	1	0	0	0
Christian	5	2	4	1	1	0
Clark	0	0	0	0	0	0
Clay	23	13	19	4	9	3
Clinton	1	2	0	1	1	1
Cole	12	3	9	3	0	0
Cooper	0	0	0	0	0	0
Crawford	1	0	1	0	0	0
Dade	1	1	1	0	1	0
Dallas	4	0	4	0	0	0
Daviess	1	2	0	1	1	0
Dekalb	0	0	0	0	0	0
Dent	0	1	0	0	1	0
Douglas	2	1	2	0	1	0
Dunklin	1	1	1	0	1	0
Franklin	5	1	5	0	1	1

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade		0	1	0	0	1
Gentry		2	1	1	1	0
Greene		37	17	23	14	3
Grundy		3	3	0	3	0
Harrison		0	0	0	0	0
Henry		5	1	4	1	0
Hickory		2	1	1	0	0
Holt		2	0	2	0	0
Howard		0	0	0	0	0
Howell		5	2	3	2	0
Iron		0	0	0	0	0
Jackson		81	73	38	43	30
Jasper		14	4	11	3	1
Jefferson		22	6	19	3	3
Johnson		3	4	1	2	2
Knox		1	0	1	0	0
Laclede		3	2	3	0	2
Lafayette		4	2	3	1	1
Lawrence		3	2	2	1	1
Lewis		0	0	0	0	0
Lincoln		7	5	4	3	2
Linn		0	0	0	0	0
Livingston		3	2	1	2	0
Macon		1	0	1	0	0
Madison		0	0	0	0	0
Maries		0	0	0	0	0
Marion		3	2	1	2	0
McDonald		10	4	9	1	3
Mercer		0	0	0	0	0
Miller		1	1	1	0	1
Mississippi		0	2	0	0	2
Moniteau		1	0	1	0	0
Monroe		1	1	0	1	0
Montgomery		0	0	0	0	0
Morgan		1	1	0	1	0
New Madrid		3	5	1	2	3
Newton		2	3	1	1	2
Nodaway		0	0	0	0	0

**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths
by County and Cities w/25,000 or More Population: Missouri, 2021**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	1	0	1	0	0	0
Osage	2	0	2	0	0	0
Ozark	3	1	2	1	0	0
Pemiscot	1	2	1	0	2	0
Perry	1	2	0	1	1	0
Pettis	4	1	4	0	1	1
Phelps	3	3	2	1	2	0
Pike	3	1	3	0	1	0
Platte	15	9	8	7	2	1
Polk	4	1	3	1	0	0
Pulaski	6	5	3	3	2	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	1	1	1	0	1	1
Ray	1	0	1	0	0	1
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	0
Saline	3	1	2	1	0	0
Schuyler	1	0	1	0	0	0
Scotland	0	0	0	0	0	0
Scott	14	5	9	5	0	1
Shannon	0	0	0	0	1	0
Shelby	0	0	0	0	0	0
St. Charles	25	20	15	10	10	0
St. Clair	0	0	0	0	0	0
St. Francois	11	8	6	5	3	0
St. Louis City	45	32	25	20	12	1
St. Louis County	104	67	63	41	26	5
Ste. Genevieve	2	0	2	0	0	0
Stoddard	1	1	1	0	1	0
Stone	2	2	1	1	1	0
Sullivan	2	0	2	0	0	0
Taney	4	1	4	0	1	0
Texas	1	0	1	0	0	0
Vernon	3	3	2	1	2	0
Warren	5	3	2	3	0	0
Washington	2	2	1	1	1	0
Wayne	1	0	1	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster				4	3	2
Worth				0	0	0
Wright				5	1	1
Unknown				0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin				1	0	0
Blue Springs				5	3	2
Cape Girardeau				7	1	0
Chesterfield				1	0	0
Columbia				14	7	2
Florissant				12	3	0
Gladstone				2	4	0
Grandview				3	5	3
Hazelwood				4	2	0
Independence				15	16	6
Jefferson City				9	3	0
Kirkwood				2	2	0
Lee's Summit				11	9	1
Liberty				4	0	0
Maryland Heights				2	1	2
OFallon				6	7	1
Raytown				3	1	0
St. Charles				3	1	0
St. Joseph				7	10	4
St. Louis City				45	32	25
St. Peters				4	3	2
Springfield				23	10	15
University City				4	2	2
Wentzville				3	6	1
Wildwood				0	0	0
<u>Multi-County Cities</u>						
Joplin				4	1	0
...Jasper Co. Part				4	1	0
...Newton Co. Part				0	0	0
Kansas City				65	50	21
...Jackson Co. Part				42	35	14
...Clay Co. Part				12	9	3
...Platte Co. Part				11	6	1
...Cass Co. Part				0	0	0

**Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths
by County and Cities w/25,000 or More Population: Missouri, 2021**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
State Total	396	232	251	145	87	25
Counties						
Adair	4	2	2	0	0	0
Andrew	0	0	0	0	0	0
Atchison	1	0	1	0	0	0
Audrain	4	2	2	0	0	0
Barry	1	1	1	0	0	0
Barton	1	0	1	0	0	0
Bates	0	0	0	0	0	0
Benton	2	0	2	0	0	0
Bollinger	0	1	0	1	0	0
Boone	13	6	8	5	1	1
Buchanan	7	8	2	5	3	1
Butler	1	2	0	1	0	0
Caldwell	1	2	0	1	1	0
Callaway	2	1	2	0	1	0
Camden	1	1	0	1	1	0
Cape Girardeau	4	0	4	0	0	0
Carroll	0	0	0	0	0	0
Carter	1	1	0	1	0	0
Cass	6	3	4	2	1	1
Cedar	0	0	0	0	0	0
Chariton	1	0	1	0	0	0
Christian	5	2	4	1	1	0
Clark	0	0	0	0	0	0
Clay	13	6	11	2	4	2
Clinton	1	2	0	1	1	1
Cole	8	2	6	2	0	0
Cooper	0	0	0	0	0	0
Crawford	1	0	1	0	0	0
Dade	1	1	1	0	1	0
Dallas	4	0	4	0	0	0
Daviess	1	2	0	1	1	0
Dekalb	0	0	0	0	0	0
Dent	0	1	0	0	1	0
Douglas	2	1	2	0	1	0
Dunklin	1	0	1	0	0	0
Franklin	5	1	5	0	1	1

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade		0	1	0	0	1
Gentry		2	1	1	1	0
Greene		31	13	21	10	3
Grundy		3	3	0	3	0
Harrison		0	0	0	0	0
Henry		5	1	4	1	0
Hickory		1	1	0	1	0
Holt		2	0	2	0	0
Howard		0	0	0	0	0
Howell		5	2	3	2	0
Iron		0	0	0	0	0
Jackson		25	25	11	14	11
Jasper		11	4	8	3	1
Jefferson		21	4	19	2	2
Johnson		3	4	1	2	2
Knox		1	0	1	0	0
Laclede		3	2	3	0	2
Lafayette		3	1	3	0	1
Lawrence		3	2	2	1	1
Lewis		0	0	0	0	0
Lincoln		7	5	4	3	2
Linn		0	0	0	0	0
Livingston		3	2	1	2	0
Macon		1	0	1	0	0
Madison		0	0	0	0	0
Maries		0	0	0	0	0
Marion		3	2	1	2	0
McDonald		5	2	4	1	1
Mercer		0	0	0	0	0
Miller		1	1	1	0	1
Mississippi		0	1	0	0	1
Moniteau		0	0	0	0	0
Monroe		1	1	0	1	0
Montgomery		0	0	0	0	0
Morgan		1	1	0	1	0
New Madrid		1	2	0	1	0
Newton		1	2	0	1	0
Nodaway		0	0	0	0	0

**Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths
by County and Cities w/25,000 or More Population: Missouri, 2021**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	1	0	1	0	0	0
Osage	2	0	2	0	0	0
Ozark	3	1	2	1	0	0
Pemiscot	0	1	0	0	1	0
Perry	1	2	0	1	1	0
Pettis	2	0	2	0	0	1
Phelps	3	2	2	1	0	0
Pike	1	1	1	0	1	0
Platte	9	7	4	5	2	1
Polk	4	1	3	1	0	0
Pulaski	4	5	1	3	2	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	1	1	1	0	1	1
Ray	1	0	1	0	0	1
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	0
Saline	3	1	2	1	0	0
Schuyler	1	0	1	0	0	0
Scotland	0	0	0	0	0	0
Scott	11	5	6	5	0	1
Shannon	0	0	0	0	1	0
Shelby	0	0	0	0	0	0
St. Charles	18	16	10	8	8	0
St. Clair	0	0	0	0	0	0
St. Francois	11	8	6	5	3	0
St. Louis City	13	7	7	6	1	0
St. Louis County	43	23	24	19	4	2
Ste. Genevieve	2	0	2	0	0	0
Stoddard	1	1	1	0	1	0
Stone	1	2	0	1	1	0
Sullivan	1	0	1	0	0	0
Taney	4	1	4	0	1	0
Texas	1	0	1	0	0	0
Vernon	3	3	2	1	2	0
Warren	4	3	1	3	0	0
Washington	2	2	1	1	1	0
Wayne	1	0	1	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster				4	3	2
Worth				0	0	0
Wright				5	1	1
Unknown				0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin				1	0	0
Blue Springs				3	2	1
Cape Girardeau				4	0	0
Chesterfield				0	0	0
Columbia				10	4	1
Florissant				6	2	0
Gladstone				0	2	0
Grandview				0	0	3
Hazelwood				2	1	0
Independence				4	7	4
Jefferson City				6	2	0
Kirkwood				2	2	0
Lee's Summit				9	6	0
Liberty				4	0	0
Maryland Heights				1	1	0
OFallon				4	5	2
Raytown				0	0	0
St. Charles				1	0	0
St. Joseph				5	7	1
St. Louis City				13	7	6
St. Peters				4	3	2
Springfield				17	6	4
University City				1	0	0
Wentzville				2	4	1
Wildwood				0	0	0
<u>Multi-County Cities</u>						
Joplin				4	1	0
...Jasper Co. Part				4	1	0
...Newton Co. Part				0	0	0
Kansas City				18	14	7
...Jackson Co. Part				7	6	3
...Clay Co. Part				5	4	3
...Platte Co. Part				6	4	2
...Cass Co. Part				0	0	0

Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2021

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
State Total	145	116	85	60	56	7
Counties						
Adair	0	0	0	0	0	0
Andrew	0	0	0	0	0	0
Atchison	0	0	0	0	0	0
Audrain	0	0	0	0	0	0
Barry	0	0	0	0	0	0
Barton	0	0	0	0	0	0
Bates	0	0	0	0	0	0
Benton	0	0	0	0	0	0
Bollinger	0	0	0	0	0	0
Boone	2	2	1	1	0	0
Buchanan	0	0	0	0	0	0
Butler	0	0	0	0	0	0
Caldwell	0	0	0	0	0	0
Callaway	0	1	0	0	1	0
Camden	0	0	0	0	0	0
Cape Girardeau	1	0	1	0	0	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	0	0	0	0	0	0
Cedar	0	0	0	0	0	0
Chariton	0	0	0	0	0	0
Christian	0	0	0	0	0	0
Clark	0	0	0	0	0	0
Clay	5	4	4	1	3	1
Clinton	0	0	0	0	0	0
Cole	3	1	2	1	0	0
Cooper	0	0	0	0	0	0
Crawford	0	0	0	0	0	0
Dade	0	0	0	0	0	0
Dallas	0	0	0	0	0	0
Daviess	0	0	0	0	0	0
Dekalb	0	0	0	0	0	0
Dent	0	0	0	0	0	0
Douglas	0	0	0	0	0	0
Dunklin	0	0	0	0	0	0
Franklin	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	0	0	0	0	0	0
Gentry	0	0	0	0	0	0
Greene	5	3	2	3	0	0
Grundy	0	0	0	0	0	0
Harrison	0	0	0	0	0	0
Henry	0	0	0	0	0	0
Hickory	1	0	1	0	0	0
Holt	0	0	0	0	0	0
Howard	0	0	0	0	0	0
Howell	0	0	0	0	0	0
Iron	0	0	0	0	0	0
Jackson	34	36	14	20	16	3
Jasper	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0
Johnson	0	0	0	0	0	0
Knox	0	0	0	0	0	0
Laclede	0	0	0	0	0	0
Lafayette	0	0	0	0	0	0
Lawrence	0	0	0	0	0	0
Lewis	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0
Linn	0	0	0	0	0	0
Livingston	0	0	0	0	0	0
Macon	0	0	0	0	0	0
Madison	0	0	0	0	0	0
Maries	0	0	0	0	0	0
Marion	0	0	0	0	0	0
McDonald	0	0	0	0	0	0
Mercer	0	0	0	0	0	0
Miller	0	0	0	0	0	0
Mississippi	0	1	0	0	1	0
Moniteau	0	0	0	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	0	0	0	0	0	0
New Madrid	2	3	1	1	2	0
Newton	0	0	0	0	0	0
Nodaway	0	0	0	0	0	0

Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2021

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	0	0	0	0	0
Osage	0	0	0	0	0	0
Ozark	0	0	0	0	0	0
Pemiscot	1	1	1	1	0	0
Perry	0	0	0	0	0	0
Pettis	0	0	0	0	0	0
Phelps	0	0	0	0	0	0
Pike	0	0	0	0	0	0
Platte	3	1	2	1	0	0
Polk	0	0	0	0	0	0
Pulaski	2	0	2	0	0	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	0	0	0	0	0	0
Ray	0	0	0	0	0	0
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	0
Saline	0	0	0	0	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	3	0	3	0	0	0
Shannon	0	0	0	0	0	0
Shelby	0	0	0	0	0	0
St. Charles	2	1	2	0	1	0
St. Clair	0	0	0	0	0	0
St. Francois	0	0	0	0	0	0
St. Louis City	30	23	17	13	10	1
St. Louis County	51	39	32	19	20	2
Ste. Genevieve	0	0	0	0	0	0
Stoddard	0	0	0	0	0	0
Stone	0	0	0	0	0	0
Sullivan	0	0	0	0	0	0
Taney	0	0	0	0	0	0
Texas	0	0	0	0	0	0
Vernon	0	0	0	0	0	0
Warren	0	0	0	0	0	0
Washington	0	0	0	0	0	0
Wayne	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster		0	0	0	0	0
Worth		0	0	0	0	0
Wright		0	0	0	0	0
Unknown		0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin		0	0	0	0	0
Blue Springs		2	2	1	1	0
Cape Girardeau		1	0	1	0	0
Chesterfield		1	0	0	0	0
Columbia		1	1	0	1	0
Florissant		6	1	5	1	0
Gladstone		0	2	0	0	2
Grandview		1	1	0	1	0
Hazelwood		2	1	2	0	1
Independence		5	6	1	4	2
Jefferson City		2	1	1	0	0
Kirkwood		0	0	0	0	0
Lee's Summit		1	2	0	1	0
Liberty		0	0	0	0	0
Maryland Heights		1	0	1	0	0
O'Fallon		0	0	0	0	0
Raytown		3	1	3	0	1
St. Charles		0	0	0	0	0
St. Joseph		0	0	0	0	0
St. Louis City		30	23	17	13	10
St. Peters		0	0	0	0	0
Springfield		5	3	2	3	0
University City		2	1	1	1	0
Wentzville		1	1	1	0	1
Wildwood		0	0	0	0	0
<u>Multi-County Cities</u>						
Joplin		0	0	0	0	0
...Newton Co. Part		0	0	0	0	0
...Jasper Co. Part		0	0	0	0	0
Kansas City		28	25	13	15	10
...Jackson Co. Part		22	22	9	13	9
...Clay Co. Part		4	2	3	1	1
...Platte Co. Part		2	1	1	1	0
...Cass Co. Part		0	0	0	0	0

Table 22D. Resident Perinatal, Infant, Fetal, Neonatal, and Post-Neonatal Deaths by Resident BRFSS Region with Rates per 1,000 Live Births: Missouri, 2021

	Number				Rates				
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Perinatal Deaths	Infant Deaths	Neonatal Deaths	Post-Neonatal Deaths
State Total	624	393	393	231	162	9.0	5.7	5.7	3.3
BRFSS Regions									
Northeast	27	13	16	11	2	9.8	4.7*	5.8*	4.0*
Northwest	19	18	10	9	9	7.2*	6.8*	3.8*	3.4*
Central	63	37	42	21	16	7.8	4.6	5.2	2.6
Southeast	63	40	40	23	17	9.9	6.3	6.3	2.7*
Southwest	105	46	78	27	19	9.4	4.1	7.0	2.4
St. Louis Metro	214	134	80	54	9.1	5.7	5.7	3.4	2.3
Kansas City Metro	133	105	73	60	45	9.0	7.1	4.9	4.1
Urban	429	275	262	167	108	9.4	6.0	5.7	3.6
Rural	195	118	131	64	54	8.3	5.0	5.6	2.7
Unknown	0	0	0	0	0.0*	0.0*	0.0*	0.0*	0.0*

Table 22E. White Non-Hispanic and Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by Resident BRFSS Region: Missouri, 2021

	White Non-Hispanic						Black Non-Hispanic					
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
State Total	396	232	251	145	87	25	145	116	85	60	56	7
BRFSS Regions												
Northeast	24	13	11	2	2	0	0	0	0	0	0	0
Northwest	16	15	7	9	6	1	0	0	0	0	0	0
Central	46	27	31	15	12	4	7	4	5	2	2	0
Southeast	52	33	31	21	12	3	7	5	6	1	4	0
Southwest	87	39	64	23	16	3	6	3	3	3	0	0
St. Louis Metro	112	59	71	41	18	4	83	63	51	32	31	3
Kansas City Metro	59	46	34	25	21	8	42	41	20	22	19	4
Urban	228	128	143	85	43	12	136	110	77	59	51	7
Rural	168	104	108	60	44	13	9	6	8	1	5	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0

Table 23. Resident Infant Deaths and Rates per 1,000 Live Births by Cause of Death by Race and by Age at Death: Missouri, 2021

		Number	Rate	Neonatal Deaths	Post-Neonatal Deaths	Under 1 Hour	Over 1 Hour, < 1 Day	Over 1 Day, < 7 Days	Over 7 Days, < 28 Days	Over 28 Days, < 3 Months	Over 3 Months, < 6 Months	Over 6 Months, < 1 Year	
All Causes	White	232	4.6	145	87	24	58	33	30	40	30	17	
	Black	116	12.2	60	56	8	21	14	16	23	15	18	
	Total	393	5.7	231	162	37	89	54	50	69	51	42	
Infectious Diseases (A00-B99, P35-P39)	White	11	0.2	5	6	1	0	0	4	3	2	1	
	Black	4	0.4	3	1	1	0	1	1	1	0	0	
	Total	15	0.2	8	7	2	0	1	5	4	2	1	
Nervous System Diseases (G00-G98)	White	3	0.1	2	1	0	0	1	1	0	1	0	
	Black	1	0.1	1	0	0	0	0	0	1	0	0	
	Total	5	0.1	3	2	0	0	1	2	0	1	1	
Circulatory System Diseases (I00-I99)	White	6	0.1	0	6	0	0	0	0	0	3	2	
	Black	4	0.4	0	4	0	0	0	0	0	1	2	
	Total	10	0.1	0	10	0	0	0	0	0	4	4	
Respiratory System Diseases (J00-J99)	White	5	0.1	0	5	0	0	0	0	0	2	2	
	Black	5	0.5	0	5	0	0	0	0	0	1	2	
	Total	11	0.2	0	11	0	0	0	0	0	3	3	
Perinatal Conditions (P00-P34, P40-P96)	White	101	2.0	94	7	19	35	23	17	4	1	2	
	Black	48	5.1	45	3	7	20	10	7	2	0	1	
	Total	170	2.5	160	10	29	64	38	28	6	1	3	
Congenital Anomalies (Q00-Q99)	White	54	1.1	38	16	4	23	7	4	8	5	3	
	Black	10	1.1	6	4	0	1	2	3	3	1	0	
	Total	73	1.1	49	24	6	25	11	7	12	7	5	
Sudden Infant Death Syndrome (R95)	White	6	0.1	0	6	0	0	0	0	4	2	0	
	Black	3	0.3	1	2	0	0	0	1	1	0	1	
	Total	9	0.1	1	8	0	0	0	1	5	2	1	
Unintentional Injuries (Y01-X59)	White	26	0.5	3	23	0	0	0	3	12	9	2	
	Black	22	2.3	1	21	0	0	0	1	9	7	5	
	Total	53	0.8	4	49	0	0	0	4	24	17	8	
Homicide (X85-Y09)	White	3	0.1	0	3	0	0	0	0	0	2	1	
	Black	5	0.5	0	5	0	0	0	0	0	2	3	
	Total	9	0.1	0	9	0	0	0	0	0	4	5	
All Other Causes	White	17	0.3	3	14	0	0	2	1	4	4	6	
	Black	14	1.5	3	11	0	0	1	2	5	1	5	
	Total	38	0.5	6	32	0	0	3	3	11	8	13	

Table 24. Resident Infant Deaths and Rates per 1,000 Live Births by Age of Mother by Birth Order: Missouri, 2021

	Birth Order						Rates			
	All Orders	1st	2nd or 3rd	4th or 5th	6th or More	All Orders	1st	2nd or 3rd	4th or 5th	6th or More
All Ages	391	101	156	79	55	5.6	5.0	5.0	6.5	9.8
Under 18	5	2	3	0	0	6.1*	2.7*	37.5*	0.0*	0
18-19	22	10	12	0	0	8.7	5.4*	18.5*	0.0*	0.0*
20-24	102	36	43	19	4	7.1	5.7	6.6	14.4*	17.0*
25-29	115	27	56	18	14	5.4	4.3	5.5	4.9*	11.2*
30-34	92	18	30	27	17	4.7	4.6*	3.2	6.4	8.4*
35-39	36	5	7	11	13	4.1	4.6*	1.9*	4.7*	8.5*
40 and Over	19	3	5	4	7	10.9*	15.9*	8.9*	8.8*	13.1*

Table 25. Resident Infant Deaths and Rates per 1,000 Live Births by Birth Weight by Race of Mother: Missouri, 2021

Birth Weight (Grams)	Mother's Race				Rates			
	All Races	White	Black	All Races	White	Black	All Races	
All Weights	391	239	107	5.6	4.7	11.3		
Under 500	74	46	18	704.8	730.2	666.7*		
500-999	67	35	22	195.3	188.2	207.5		
1,000-1,499	23	14	5	43.6	41.5*	38.2*		
1,500-1,999	35	24	7	29.9	33.7	23.1*		
2,000-2,499	41	24	10	10.2	9.7	10.3*		
2,500-2,999	58	34	17	4.5	4.1	6.4*		
3,000-3,499	59	39	18	2.2	2.0	5.2*		
3,500-3,999	20	15	5	1.1	1.0*	3.3*		
4,000 or More	11	7	3	2.1*	1.6*	10.2*		

Infant death totals in Table 24 and 25 do not agree with the totals in Table 22 and 23 because Tables 24 and 25 include only infant deaths that have been matched with their corresponding birth records. In addition, Table 24 and 25 may include some infant deaths that came in after the cutoff date as explained in the Appendix under "Sources of Vital Records".

*Rate is unstable due to inclusion of fewer than 20 events.

**Table 26A. Resident Deaths by Selected Causes of Death by Race and Hispanic Origin
With Rates per 100,000 Residents: Missouri, 2021**

	Total Crude Rate	Age-Adjusted Rate	All Races	White, Non-Hisp.	Black, Non-Hisp.	Hispanic, Any Race	Other Races
All causes	1,197.0	971.6	73,831	63,234	8,575	907	1,057
COVID-19	125.8	100.4	7,757	6,514	873	215	148
Septicemia	16.2	12.7	999	848	125	9	15
HIV / AIDS	1.0	0.9	63	26	30	3	4
Malignant neoplasms	213.1	164.1	13,146	11,532	1,334	117	161
...Colon, rectum, and anus	18.9	15.1	1,165	999	137	11	17
...Pancreas	16.1	12.2	990	846	121	11	12
...Trachea, bronchus, and lung	56.1	41.8	3,460	3,083	311	22	44
...Breast	14.3	11.3	883	748	125	3	7
...Cervix uteri, corpus uteri, and ovary	8.5	6.8	525	433	78	4	10
...Prostate	9.4	7.3	578	491	82	3	2
...Urinary tract	11.5	8.9	710	653	53	2	2
...Non-Hodgkin's lymphoma	6.7	5.3	414	380	24	5	5
...Leukemia	8.2	6.4	503	454	36	9	4
...Other malignant neoplasms	63.5	49.0	3,918	3,445	367	47	58
Diabetes mellitus	30.4	24.0	1,876	1,535	290	20	29
Alzheimer's disease	40.8	33.0	2,518	2,292	182	19	24
Parkinson's disease	13.0	10.5	802	762	29	3	8
Diseases of heart	254.8	202.5	15,716	13,593	1,787	135	189
Essential hypertension	8.1	6.5	500	409	79	3	8
Cerebrovascular diseases	51.5	41.0	3,177	2,685	404	38	44
Influenza and pneumonia	14.3	11.5	885	798	61	12	14
Chronic lower respiratory disease	58.8	45.2	3,624	3,370	203	18	26
Pneumonitis due to solids and liquids	8.6	6.7	529	464	57	2	6
Chronic liver disease and cirrhosis	15.5	13.0	959	848	65	21	23
Nephritis and nephrosis	25.0	19.9	1,542	1,276	216	25	24
Conditions orig. in perinatal period	3.0	3.6	182	109	52	6	13
Congenital anomalies	2.9	2.9	178	140	23	6	9
Symptoms and ill-defined conditions	10.0	8.4	614	502	102	3	7
All other diseases	191.9	155.2	11,836	10,343	1,202	119	164
Unintentional injuries	78.0	75.1	4,814	3,769	851	96	95
...Motor vehicle crashes	17.1	16.6	1,055	837	169	29	20
...Falls	13.8	11.2	854	783	40	9	21
...Accidental poisoning	34.0	35.6	2,100	1,482	536	43	37
...Other unintentional injuries	13.1	11.7	805	667	106	15	17
Suicide	19.0	18.7	1,174	1,039	93	17	24
Homicide	11.6	12.4	716	208	477	17	14
All other external causes	3.6	3.3	224	172	40	3	8

Table 26B. Resident Deaths by Selected Causes of Death by BRFSS Region and Urban/Rural Area: Missouri, 2021

	BRFSS Region						
	Central	Kansas City	Northeast	Northwest	St. Louis	Southeast	Southwest
All causes	8,444	13,710	3,515	2,814	23,773	8,849	12,726
COVID-19	932	1,559	444	243	2,085	970	1,524
Septicemia	104	176	68	33	347	125	146
HIV / AIDS	4	21	0	0	26	6	6
Malignant neoplasms	1,532	2,445	637	543	4,287	1,521	2,181
...Colon, rectum, and anus	122	227	68	39	361	141	207
...Pancreas	103	199	44	38	359	94	153
...Trachea, bronchus, and lung	406	592	178	162	1,071	440	611
...Breast	97	179	38	25	332	110	102
...Cervix uteri, corpus uteri, and ovary	69	106	18	15	185	59	73
...Prostate	72	112	23	16	182	66	107
...Urinary tract	82	137	41	29	224	79	118
...Non-Hodgkin's lymphoma	38	90	20	23	124	52	67
...Leukemia	66	101	19	26	167	50	74
...Other malignant neoplasms	477	702	188	170	1,282	430	669
Diabetes mellitus	321	345	91	81	551	209	278
Alzheimer's disease	189	309	93	78	1,055	333	461
Parkinson's disease	94	172	31	23	260	83	139
Diseases of heart	1,715	2,585	691	641	5,072	1,983	3,029
Essential hypertension	128	81	35	19	141	53	43
Cerebrovascular diseases	338	556	154	115	1,123	393	498
Influenza and pneumonia	109	127	48	35	273	124	169
Chronic lower respiratory disease	490	630	222	194	830	572	686
Pneumonitis due to solids and liquids	61	105	20	38	194	50	61
Chronic liver disease and cirrhosis	88	176	45	39	303	118	190
Nephritis and nephrosis	159	265	81	68	480	238	251
Conditions orig. in perinatal period	15	46	9	9	65	19	19
Congenital anomalies	24	36	8	10	57	19	24
Symptoms and ill-defined conditions	84	101	42	23	177	107	80
All other diseases	1,351	2,550	548	414	3,765	1,297	1,911
Unintentional injuries	495	897	177	140	1,903	469	733
...Motor vehicle crashes	111	171	54	44	328	153	194
...Falls	50	199	35	20	378	65	107
...Accidental poisoning	220	364	42	55	994	141	284
...Other unintentional injuries	114	163	46	21	203	110	148
Suicide	156	260	51	46	348	102	211
Homicide	38	212	6	12	366	22	60
All other external causes	17	56	14	10	65	36	26
							97

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Adair	Andrew	Atchison	Audrain	Barry	Barton	Bates
All causes	290	193	95	330	501	171	245
COVID-19	35	16	7	38	51	26	43
Septicemia	3	2	1	3	6	2	3
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	55	43	19	52	102	29	30
...Colon, rectum, and anus	10	2	0	5	13	1	2
...Pancreas	4	9	2	1	5	3	3
...Trachea, bronchus, and lung	13	11	5	19	24	10	6
...Breast	1	2	0	1	5	3	3
...Cervix uteri, corpus uteri, and ovary	1	2	0	3	5	0	0
...Prostate	0	3	1	3	7	1	0
Urinary tract	7	1	1	3	6	1	0
...Non-Hodgkin's lymphoma	2	2	0	0	4	1	2
...Leukemia	1	2	3	3	4	1	3
...Other malignant neoplasms	16	9	7	14	29	8	11
Diabetes mellitus	6	7	9	19	6	4	4
Alzheimer's disease	15	4	3	7	20	4	14
Parkinson's disease	1	5	1	3	5	1	4
Diseases of heart	47	50	17	67	136	37	58
Essential hypertension	6	3	0	7	3	2	2
Cerebrovascular diseases	15	3	6	17	12	12	7
Influenza and pneumonia	2	2	2	9	5	3	0
Chronic lower respiratory disease	20	5	7	14	28	9	18
Pneumonitis due to solids and liquids	2	0	1	2	2	2	0
Chronic liver disease and cirrhosis	4	4	1	1	12	1	0
Nephritis and nephrosis	6	6	0	9	14	5	7
Conditions orig. in perinatal period	2	0	0	2	0	0	0
Congenital anomalies	1	0	2	1	1	0	0
Symptoms and ill-defined conditions	6	3	0	6	3	0	2
All other diseases	53	31	14	59	59	23	33
Unintentional injuries	7	9	4	13	30	9	14
...Motor vehicle crashes	1	4	2	3	11	3	3
...Falls	3	0	0	1	5	1	2
...Accidental poisoning	1	4	1	6	4	2	7
...Other unintentional injuries	2	1	1	3	10	3	2
Suicide	2	0	0	1	6	2	4
Homicide	1	0	0	0	0	0	0
All other external causes	1	0	1	0	0	0	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Benton	Bollinger	Boone	Buchanan	Butler	Caldwell	Callaway
All causes	364	162	1,392	1,117	708	135	501
COVID-19	42	15	95	90	77	17	57
Septicemia	3	1	18	11	11	4	6
HIV / AIDS	0	0	2	0	2	0	0
Malignant neoplasms	70	31	268	206	114	20	95
...Colon, rectum, and anus	3	1	21	20	12	6	10
...Pancreas	3	3	19	11	10	3	6
...Trachea, bronchus, and lung	27	9	70	65	36	2	21
...Breast	3	0	16	8	7	5	5
...Cervix uteri, corpus uteri, and ovary	1	0	11	5	2	0	4
...Prostate	2	1	8	4	6	0	5
...Urinary tract	5	4	12	14	6	1	10
...Non-Hodgkin's lymphoma	2	1	5	8	7	0	4
...Leukemia	5	0	17	9	3	2	3
...Other malignant neoplasms	19	12	89	62	25	1	27
Diabetes mellitus	10	4	35	16	23	6	22
Alzheimer's disease	5	1	38	39	32	3	10
Parkinson's disease	3	1	28	5	5	2	4
Diseases of heart	76	37	278	254	148	24	91
Essential hypertension	3	2	9	5	4	0	4
Cerebrovascular diseases	14	6	49	51	27	9	17
Influenza and pneumonia	3	1	10	9	19	2	7
Chronic lower respiratory disease	29	6	65	98	40	11	32
Pneumonitis due to solids and liquids	2	4	11	10	2	1	4
Chronic liver disease and cirrhosis	5	0	20	20	15	0	7
Nephritis and nephrosis	3	11	17	20	20	3	7
Conditions orig. in perinatal period	0	0	6	6	0	1	0
Congenital anomalies	2	0	9	3	3	0	0
Symptoms and ill-defined conditions	0	3	17	12	8	5	2
All other diseases	59	28	269	162	103	17	86
Unintentional injuries	24	9	97	66	38	6	38
...Motor vehicle crashes	8	2	17	18	10	2	12
...Falls	4	2	7	12	1	0	5
...Accidental poisoning	3	1	53	29	21	0	14
...Other unintentional injuries	9	4	20	7	6	4	7
Suicide	6	1	35	20	6	3	12
Homicide	1	1	15	10	3	1	0
All other external causes	4	0	1	4	8	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Camden	Cape Girardeau	Carroll	Carter	Cass	Cedar	Chariton
All causes	664	928	111	102	1,258	236	118
COVID-19	74	71	10	13	153	34	12
Septicemia	4	13	1	0	16	1	3
HIV / AIDS	0	2	0	0	0	1	0
Malignant neoplasms	147	154	24	19	226	27	22
...Colon, rectum, and anus	8	7	1	1	13	3	2
...Pancreas	13	10	2	0	20	2	3
...Trachea, bronchus, and lung	46	31	7	3	54	7	5
...Breast	8	17	1	0	19	2	1
...Cervix uteri, corpus uteri, and ovary	9	8	1	4	11	1	1
...Prostate	9	9	0	2	15	0	2
Urinary tract	6	6	1	1	24	2	2
...Non-Hodgkin's lymphoma	4	7	1	0	8	1	0
...Leukemia	3	9	0	0	8	0	0
...Other malignant neoplasms	41	50	10	8	54	9	6
Diabetes mellitus	8	25	6	4	26	8	2
Alzheimer's disease	11	40	1	5	24	7	1
Parkinson's disease	7	7	1	0	22	0	1
Diseases of heart	115	242	31	29	234	56	24
Essential hypertension	2	9	3	0	7	0	0
Cerebrovascular diseases	31	37	6	6	54	14	5
Influenza and pneumonia	10	11	1	0	12	7	2
Chronic lower respiratory disease	42	71	3	6	64	13	11
Pneumonitis due to solids and liquids	2	4	4	0	9	3	0
Chronic liver disease and cirrhosis	9	8	0	0	20	2	3
Nephritis and nephrosis	10	31	1	2	29	5	3
Conditions orig. in perinatal period	1	1	0	1	2	0	0
Congenital anomalies	1	4	1	0	2	0	1
Symptoms and ill-defined conditions	4	12	1	3	8	1	0
All other diseases	135	138	10	10	263	41	22
Unintentional injuries	34	31	5	3	59	12	2
...Motor vehicle crashes	9	13	2	2	13	3	1
...Falls	5	3	1	1	18	4	0
...Accidental poisoning	15	6	1	0	18	1	0
...Other unintentional injuries	5	9	1	0	10	4	1
Suicide	15	13	2	1	16	3	2
Homicide	1	1	0	0	7	1	0
All other external causes	1	3	0	0	5	0	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Christian	Clark	Clay	Clinton	Cole	Cooper	Crawford
All causes	948	102	2,245	246	779	227	387
COVID-19	134	12	266	26	88	36	55
Septicemia	7	1	24	4	5	4	8
HIV / AIDS	0	0	2	0	0	0	0
Malignant neoplasms	168	17	437	62	134	41	72
...Colon, rectum, and anus	22	1	40	5	9	5	1
...Pancreas	16	2	26	6	8	4	10
...Trachea, bronchus, and lung	40	7	107	13	25	14	18
...Breast	6	1	24	3	8	3	7
...Cervix uteri, corpus uteri, and ovary	8	0	27	1	8	2	3
...Prostate	6	0	15	2	6	4	3
...Urinary tract	8	2	18	3	6	3	5
...Non-Hodgkin's lymphoma	4	1	19	3	4	0	4
...Leukemia	12	0	19	1	8	1	2
...Other malignant neoplasms	46	3	142	25	52	5	19
Diabetes mellitus	31	2	57	11	44	10	8
Alzheimer's disease	39	2	59	6	15	5	11
Parkinson's disease	16	2	34	4	10	4	2
Diseases of heart	202	28	391	29	150	54	92
Essential hypertension	1	3	12	6	33	0	3
Cerebrovascular diseases	37	4	98	9	25	8	12
Influenza and pneumonia	10	0	26	1	6	3	2
Chronic lower respiratory disease	39	7	107	19	50	11	19
Pneumonitis due to solids and liquids	9	0	19	2	10	1	1
Chronic liver disease and cirrhosis	16	0	26	2	6	1	10
Nephritis and nephrosis	14	3	39	3	15	2	2
Conditions orig. in perinatal period	1	0	4	1	3	0	0
Congenital anomalies	1	0	6	2	0	1	0
Symptoms and ill-defined conditions	7	3	18	0	3	3	4
All other diseases	150	10	412	40	132	37	41
Unintentional injuries	43	7	144	16	34	4	32
...Motor vehicle crashes	8	4	27	4	8	1	7
...Falls	7	1	39	2	3	1	6
...Accidental poisoning	19	1	55	6	14	1	14
...Other unintentional injuries	9	1	23	4	9	1	5
...Suicide	15	1	45	2	14	1	7
...Homicide	5	0	13	1	1	0	5
All other external causes	3	0	6	0	1	1	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Dade	Dallas	Davies	Dekalb	Dent	Douglas	Dunklin
All causes	1119	302	107	131	269	229	519
COVID-19	10	31	11	12	45	40	47
Septicemia	2	5	2	1	4	4	7
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	29	49	20	23	36	30	79
...Colon, rectum, and anus	0	8	3	0	1	1	6
...Pancreas	2	4	1	1	2	1	3
...Trachea, bronchus, and lung	8	18	9	6	10	9	22
...Breast	1	1	0	2	4	3	7
...Cervix uteri, corpus uteri, and ovary	0	1	0	0	4	1	5
...Prostate	3	0	2	1	1	1	2
Urinary tract	1	3	0	0	1	1	8
...Non-Hodgkin's lymphoma	1	0	1	3	1	1	1
...Leukemia	1	1	0	1	0	3	1
...Other malignant neoplasms	12	13	4	9	12	9	24
Diabetes mellitus	1	16	2	2	16	1	10
Alzheimer's disease	5	3	4	6	7	4	19
Parkinson's disease	2	1	1	3	2	2	5
Diseases of heart	31	88	25	27	54	65	119
Essential hypertension	1	0	0	1	5	1	5
Cerebrovascular diseases	6	13	6	4	8	13	33
Influenza and pneumonia	0	4	1	2	6	1	13
Chronic lower respiratory disease	9	16	9	13	15	6	50
Pneumonitis due to solids and liquids	0	2	1	0	1	0	1
Chronic liver disease and cirrhosis	1	1	0	0	4	8	9
Nephritis and nephrosis	0	6	2	2	7	4	5
Conditions orig. in perinatal period	0	0	0	0	0	0	0
Congenital anomalies	0	0	2	1	1	0	0
Symptoms and ill-defined conditions	0	2	0	0	2	2	5
All other diseases	17	48	15	22	31	27	77
Unintentional injuries	4	11	4	6	21	15	24
...Motor vehicle crashes	2	6	1	0	1	4	9
...Falls	0	0	3	1	3	3	5
...Accidental poisoning	1	2	0	4	14	2	6
...Other unintentional injuries	1	3	0	1	3	6	4
Suicide	1	5	2	4	3	3	5
Homicide	0	0	0	1	0	0	3
All other external causes	0	1	0	2	0	3	3

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Franklin	Gasconade	Gentry	Greene	Grundy	Harrison	Henry
All causes	1,334	248	105	3,581	152	110	340
COVID-19	148	42	6	390	26	9	34
Septicemia	22	4	1	50	1	3	5
HIV / AIDS	1	0	0	4	0	0	0
Malignant neoplasms	235	42	22	546	23	21	59
...Colon, rectum, and anus	15	3	2	50	2	1	1
...Pancreas	12	5	1	42	0	1	6
...Trachea, bronchus, and lung	66	11	8	150	7	6	18
...Breast	17	1	1	21	0	0	3
...Cervix uteri, corpus uteri, and ovary	9	3	0	26	1	1	2
...Prostate	10	2	0	26	0	1	4
...Urinary tract	12	4	0	31	3	1	6
...Non-Hodgkin's lymphoma	10	2	1	16	2	1	3
...Leukemia	11	1	0	10	1	2	5
...Other malignant neoplasms	73	10	9	174	7	7	11
Diabetes mellitus	36	2	4	58	3	1	4
Alzheimer's disease	51	6	5	162	4	2	8
Parkinson's disease	13	3	2	50	0	1	3
Diseases of heart	274	54	24	897	28	37	85
Essential hypertension	5	1	2	14	0	0	2
Cerebrovascular diseases	47	12	3	131	5	8	19
Influenza and pneumonia	19	7	2	36	0	3	5
Chronic lower respiratory disease	72	12	12	164	5	5	19
Pneumonitis due to solids and liquids	9	3	2	13	2	0	3
Chronic liver disease and cirrhosis	25	4	1	62	2	0	3
Nephritis and nephrosis	18	4	2	53	4	4	5
Conditions orig. in perinatal period	0	0	1	10	3	0	1
Congenital anomalies	0	0	0	11	0	0	0
Symptoms and ill-defined conditions	10	4	1	15	3	0	3
All other diseases	198	29	11	551	23	14	58
Unintentional injuries	119	15	2	261	14	2	17
...Motor vehicle crashes	22	2	0	45	6	1	4
...Falls	40	1	1	43	3	0	4
...Accidental poisoning	47	8	1	140	3	1	6
...Other unintentional injuries	10	4	0	33	2	0	3
Suicide	23	4	2	69	5	0	6
Homicide	5	0	0	28	0	0	0
All other external causes	4	0	0	6	1	0	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Hickory	Holt	Howard	Howell	Iron	Jackson	Jasper
All causes	199	83	143	640	189	7,850	1,543
COVID-19	12	8	14	84	19	866	214
Septicemia	1	2	2	7	2	99	22
HIV / AIDS	0	0	0	0	0	19	1
Malignant neoplasms							
...Colon, rectum, and anus	42	18	25	107	37	1,364	248
...Pancreas	3	0	2	5	3	109	13
...Trachea, bronchus, and lung	8	5	9	24	11	347	65
...Breast	4	3	2	10	3	107	12
...Cervix uteri, corpus uteri, and ovary	1	0	0	3	0	59	8
...Prostate	2	0	1	2	0	64	10
...Urinary tract	1	2	0	4	2	74	15
...Non-Hodgkin's lymphoma	0	2	0	6	2	44	5
...Leukemia	2	0	2	2	0	58	10
...Other malignant neoplasms	14	5	6	42	13	383	85
Diabetes mellitus	6	5	5	17	2	210	40
Alzheimer's disease	5	2	1	19	4	134	58
Parkinson's disease	2	0	2	2	5	76	13
Diseases of heart	46	17	34	127	40	1,493	321
Essential hypertension	0	1	2	6	1	44	3
Cerebrovascular diseases	11	3	6	37	3	308	66
Influenza and pneumonia	2	0	1	3	1	65	28
Chronic lower respiratory disease	14	6	9	31	22	328	95
Pneumonitis due to solids and liquids	1	1	2	2	1	58	4
Chronic liver disease and cirrhosis	3	1	3	9	1	104	27
Nephritis and nephrosis	2	2	1	9	6	153	42
Conditions orig. in perinatal period	1	0	0	2	0	31	3
Congenital anomalies	0	0	1	0	1	25	2
Symptoms and ill-defined conditions	2	0	0	6	3	58	9
All other diseases	34	16	21	137	22	1,477	250
Unintentional injuries	12	1	9	27	11	555	68
...Motor vehicle crashes	8	0	2	10	3	105	22
...Falls	2	0	0	7	4	110	5
...Accidental poisoning	1	0	2	4	2	242	26
...Other unintentional injuries	1	1	5	6	2	98	15
...Suicide	2	0	4	8	8	161	20
...Homicide	0	0	1	0	0	186	7
All other external causes	1	0	0	0	0	36	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Jefferson	Johnson	Knox	Laclede	Lafayette	Lawrence	Lewis
All causes	2,527	562	67	564	470	580	155
COVID-19	268	57	8	74	39	59	12
Septicemia	32	6	2	6	12	8	2
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	501	105	13	102	76	98	27
...Colon, rectum, and anus	31	8	2	9	12	9	4
...Pancreas	40	7	1	4	8	10	1
...Trachea, bronchus, and lung	151	27	5	32	10	25	7
...Breast	28	6	0	10	6	7	0
...Cervix uteri, corpus uteri, and ovary	20	6	0	7	1	2	1
...Prostate	17	4	0	1	3	10	2
...Urinary tract	21	5	0	5	6	6	1
...Non-Hodgkin's lymphoma	19	3	1	0	4	1	0
...Leukemia	18	7	0	4	3	1	1
...Other malignant neoplasms	156	32	4	30	23	27	10
Diabetes mellitus	63	20	3	11	8	18	4
Alzheimer's disease	121	7	3	22	17	30	4
Parkinson's disease	20	3	0	3	5	9	3
Diseases of heart	477	114	17	113	113	122	30
Essential hypertension	11	3	0	5	5	5	2
Cerebrovascular diseases	98	18	5	34	14	16	9
Influenza and pneumonia	27	8	2	6	8	9	3
Chronic lower respiratory disease	135	25	2	30	25	33	11
Pneumonitis due to solids and liquids	17	16	0	2	3	3	1
Chronic liver disease and cirrhosis	37	8	0	8	5	7	4
Nephritis and nephrosis	44	22	0	15	14	10	6
Conditions orig. in perinatal period	3	2	0	0	1	1	0
Congenital anomalies	3	1	0	0	0	0	0
Symptoms and ill-defined conditions	12	5	0	11	3	5	3
All other diseases	354	89	8	81	88	103	23
Unintentional injuries	228	33	4	23	23	31	8
...Motor vehicle crashes	39	12	0	4	5	11	3
...Falls	52	2	1	5	5	3	2
...Accidental poisoning	109	11	2	8	6	9	2
...Other unintentional injuries	28	8	1	6	7	8	1
Suicide	50	15	0	12	7	8	2
Homicide	13	2	0	3	0	2	0
All other external causes	13	3	0	3	4	3	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Lincoln	Linn	Livingston	Macon	Madison	Maries	Marion
All causes	607	186	220	227	217	134	396
COVID-19	54	38	40	17	28	12	51
Septicemia	8	4	3	4	4	1	15
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	117	36	29	45	39	21	64
...Colon, rectum, and anus	12	5	3	7	4	0	8
...Pancreas	7	5	5	3	0	5	1
...Trachea, bronchus, and lung	44	7	9	16	14	9	17
...Breast	7	2	3	4	3	0	5
...Cervix uteri, corpus uteri, and ovary	1	2	0	0	2	1	5
...Prostate	3	2	0	3	2	0	1
...Urinary tract	7	3	1	2	0	2	3
...Non-Hodgkin's lymphoma	2	0	1	0	2	0	4
...Leukemia	2	2	0	2	1	0	1
...Other malignant neoplasms	32	8	7	8	11	4	19
Diabetes mellitus	13	3	7	2	6	5	13
Alzheimer's disease	28	4	4	4	4	3	15
Parkinson's disease	3	2	2	0	0	0	3
Diseases of heart	123	35	45	50	44	48	75
Essential hypertension	7	1	2	3	4	0	2
Cerebrovascular diseases	35	7	11	10	9	8	22
Influenza and pneumonia	12	2	1	9	6	2	11
Chronic lower respiratory disease	18	6	10	12	16	5	18
Pneumonitis due to solids and liquids	2	0	1	1	2	3	2
Chronic liver disease and cirrhosis	13	4	2	1	3	1	3
Nephritis and nephrosis	5	5	2	7	7	2	10
Conditions orig. in perinatal period	0	0	1	0	0	0	1
Congenital anomalies	5	0	1	1	1	0	1
Symptoms and ill-defined conditions	8	1	0	7	3	2	4
All other diseases	92	27	44	42	31	17	53
Unintentional injuries	44	6	14	7	7	4	25
...Motor vehicle crashes	19	2	3	2	2	1	7
...Falls	4	2	4	3	2	1	3
...Accidental poisoning	16	2	3	0	3	0	9
...Other unintentional injuries	5	0	4	2	0	2	6
...Suicide	15	3	1	5	3	0	6
...Homicide	2	0	0	0	0	0	2
All other external causes	3	2	0	0	0	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	McDonald	Mercer	Miller	Mississippi	Moniteau	Monroe	Montgomery
All causes	303	52	366	221	174	122	185
COVID-19	39	4	36	26	14	17	17
Septicemia	7	3	4	1	4	1	2
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	50	13	72	31	36	22	35
...Colon, rectum, and anus	3	1	7	3	2	3	3
...Pancreas	5	1	7	1	1	1	3
...Trachea, bronchus, and lung	14	3	20	10	6	7	13
...Breast	3	2	3	1	3	1	0
...Cervix uteri, corpus uteri, and ovary	1	1	1	0	1	1	0
...Prostate	3	0	1	1	3	0	3
Urinary tract	2	0	1	4	2	1	0
...Non-Hodgkin's lymphoma	4	0	5	1	0	2	2
...Leukemia	0	0	1	0	2	0	1
...Other malignant neoplasms	15	5	26	10	16	6	10
Diabetes mellitus	3	1	18	3	10	3	4
Alzheimer's disease	12	3	6	9	2	4	10
Parkinson's disease	2	0	3	2	2	3	4
Diseases of heart	57	14	77	70	38	36	34
Essential hypertension	1	0	4	1	4	1	1
Cerebrovascular diseases	16	2	10	12	10	3	7
Influenza and pneumonia	7	1	4	2	2	0	4
Chronic lower respiratory disease	27	2	30	12	11	9	14
Pneumonitis due to solids and liquids	0	0	3	2	1	0	1
Chronic liver disease and cirrhosis	6	0	6	2	0	2	2
Nephritis and nephrosis	9	0	6	7	2	1	3
Conditions orig. in perinatal period	0	0	0	0	0	1	0
Congenital anomalies	0	0	0	0	0	0	0
Symptoms and ill-defined conditions	2	0	0	4	1	2	2
All other diseases	41	5	64	26	32	14	27
Unintentional injuries	11	3	17	7	3	1	15
...Motor vehicle crashes	4	0	6	3	2	0	8
...Falls	3	0	1	1	0	0	2
...Accidental poisoning	1	0	4	0	0	1	2
...Other unintentional injuries	3	3	6	3	1	0	3
Suicide	8	1	4	3	2	2	3
Homicide	3	0	2	0	0	0	0
All other external causes	2	0	0	1	0	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Morgan	New Madrid	Newton	Nodaway	Oregon	Osage	Ozark
All causes	327	300	818	168	179	165	187
COVID-19	36	24	115	15	14	21	38
Septicemia	1	3	7	3	3	4	1
HIV / AIDS	0	1	0	0	0	0	0
Malignant neoplasms	64	61	146	35	36	20	40
...Colon, rectum, and anus	4	4	13	1	4	1	3
...Pancreas	3	2	11	3	2	0	2
...Trachea, bronchus, and lung	16	18	39	10	11	7	11
...Breast	4	6	9	2	3	1	4
...Cervix uteri, corpus uteri, and ovary	1	1	3	0	1	2	2
...Prostate	5	4	8	0	1	3	2
...Urinary tract	3	3	8	3	1	0	3
...Non-Hodgkin's lymphoma	2	3	4	1	0	1	0
...Leukemia	2	2	6	2	4	1	2
...Other malignant neoplasms	24	18	45	13	9	4	11
Diabetes mellitus	7	5	13	6	1	7	3
Alzheimer's disease	2	19	43	4	3	2	1
Parkinson's disease	3	4	6	1	3	2	1
Diseases of heart	79	64	179	40	33	36	40
...Essential hypertension	9	1	2	1	0	0	0
...Cerebrovascular diseases	8	12	28	6	10	8	8
...Influenza and pneumonia	2	2	11	3	2	3	2
...Chronic lower respiratory disease	14	21	55	8	9	11	12
...Pneumonitis due to solids and liquids	0	4	5	3	2	4	1
...Chronic liver disease and cirrhosis	1	2	8	4	2	0	1
...Nephritis and nephrosis	11	14	22	4	3	2	3
...Conditions orig. in perinatal period	0	3	0	0	0	0	1
...Congenital anomalies	1	0	0	0	0	0	0
Symptoms and ill-defined conditions	8	1	9	0	17	3	1
All other diseases	59	44	106	27	27	29	26
Unintentional injuries	15	12	45	7	10	6	4
...Motor vehicle crashes	8	3	13	3	4	1	0
...Falls	2	1	4	0	0	2	2
...Accidental poisoning	2	5	19	3	1	1	0
...Other unintentional injuries	3	3	9	1	5	2	2
...Suicide	6	1	15	1	1	5	4
...Homicide	1	1	3	0	0	2	0
All other external causes	0	1	0	0	3	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Pemiscot	Perry	Pettis	Phelps	Pike	Platte	Polk
All causes	294	225	517	602	212	907	428
COVID-19	27	11	48	81	27	96	44
Septicemia	7	3	8	8	4	10	3
HIV / AIDS	0	0	1	0	0	0	0
Malignant neoplasms	40	60	118	79	35	160	88
...Colon, rectum, and anus	7	3	11	6	3	22	4
...Pancreas	2	3	5	4	2	17	8
...Trachea, bronchus, and lung	12	14	35	10	14	33	27
...Breast	3	4	8	9	5	8	4
...Cervix uteri, corpus uteri, and ovary	3	2	5	4	1	4	4
...Prostate	4	2	2	6	1	11	4
Urinary tract	2	7	11	4	0	10	4
...Non-Hodgkin's lymphoma	0	3	1	2	0	6	4
...Leukemia	0	9	9	3	2	5	2
...Other malignant neoplasms	7	13	31	31	7	44	27
Diabetes mellitus	3	2	17	46	9	18	16
Alzheimer's disease	5	13	13	13	6	35	11
Parkinson's disease	2	4	7	1	2	22	3
Diseases of heart	101	48	108	121	38	176	77
Essential hypertension	2	0	4	24	3	5	0
Cerebrovascular diseases	9	9	25	26	10	41	23
Influenza and pneumonia	3	2	6	12	1	5	5
Chronic lower respiratory disease	15	14	31	36	14	38	27
Pneumonitis due to solids and liquids	1	1	4	3	2	10	1
Chronic liver disease and cirrhosis	0	2	5	4	4	13	3
Nephritis and nephrosis	7	9	14	12	7	11	13
Conditions orig. in perinatal period	0	1	1	0	0	6	0
Congenital anomalies	1	2	3	3	0	1	2
Symptoms and ill-defined conditions	3	2	6	5	3	5	2
All other diseases	45	30	69	65	32	171	73
Unintentional injuries	20	10	20	45	10	65	26
...Motor vehicle crashes	7	3	6	7	3	9	8
...Falls	0	1	2	4	1	19	3
...Accidental poisoning	2	5	3	29	3	25	8
...Other unintentional injuries	11	1	9	5	3	12	7
Suicide	1	1	5	12	3	12	8
Homicide	2	0	2	5	0	4	3
All other external causes	0	1	2	1	2	3	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Pulaski	Putnam	Ralls	Randolph	Ray	Reynolds	Ripley
All causes	459	89	137	358	354	112	236
COVID-19	50	9	12	38	53	13	38
Septicemia	9	0	1	8	4	2	5
HIV / AIDS	1	0	0	0	0	0	0
Malignant neoplasms	68	21	27	80	70	19	42
...Colon, rectum, and anus	9	2	3	6	8	2	3
...Pancreas	5	0	1	5	7	0	5
...Trachea, bronchus, and lung	12	6	8	20	20	5	11
...Breast	6	1	1	3	4	0	3
...Cervix uteri, corpus uteri, and ovary	2	0	1	3	3	1	1
...Prostate	4	0	1	3	2	2	2
Urinary tract	3	3	1	7	1	0	3
...Non-Hodgkin's lymphoma	3	0	0	4	4	0	2
...Leukemia	4	2	0	3	2	1	1
...Other malignant neoplasms	20	7	11	26	19	8	11
Diabetes mellitus	20	1	3	10	5	6	3
Alzheimer's disease	5	2	3	5	17	1	4
Parkinson's disease	1	0	1	2	3	1	2
Diseases of heart	76	13	34	45	67	25	40
Essential hypertension	11	1	0	9	0	0	1
Cerebrovascular diseases	22	4	6	9	16	5	7
Influenza and pneumonia	8	1	0	3	8	2	4
Chronic lower respiratory disease	38	9	5	41	20	9	15
Pneumonitis due to solids and liquids	1	0	0	4	3	1	0
Chronic liver disease and cirrhosis	4	0	3	6	6	2	4
Nephritis and nephrosis	11	1	2	10	6	2	6
Conditions orig. in perinatal period	2	0	0	1	0	0	0
Congenital anomalies	2	0	1	0	0	0	0
Symptoms and ill-defined conditions	2	0	0	4	2	1	1
All other diseases	60	24	21	60	49	13	47
Unintentional injuries	49	3	15	14	15	9	14
...Motor vehicle crashes	9	2	5	3	3	4	11
...Falls	2	0	2	2	4	2	0
...Accidental poisoning	27	0	3	6	5	1	1
...Other unintentional injuries	11	1	5	3	3	2	2
Suicide	13	0	3	6	10	0	2
Homicide	2	0	0	2	0	1	1
All other external causes	4	0	0	1	0	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Saline	Schuylerville	Scotland	Scott	Shannon	Shelby	St. Charles
All causes	326	64	68	583	120	87	3,662
COVID-19	35	23	11	50	15	6	299
Septicemia	6	1	3	8	0	2	50
HIV / AIDS	0	0	0	0	0	0	2
Malignant neoplasms	50	10	12	103	22	17	700
...Colon, rectum, and anus	2	1	2	11	4	1	50
...Pancreas	3	1	2	9	1	1	61
...Trachea, bronchus, and lung	11	2	2	31	8	6	165
...Breast	4	0	0	7	2	3	56
...Cervix uteri, corpus uteri, and ovary	0	0	0	4	0	0	27
...Prostate	6	1	0	3	1	0	24
...Urinary tract	2	1	1	4	1	1	53
...Non-Hodgkin's lymphoma	2	0	0	2	0	1	20
...Leukemia	1	0	1	2	1	0	28
...Other malignant neoplasms	19	4	4	30	4	4	216
Diabetes mellitus	15	2	1	8	0	0	83
Alzheimer's disease	5	1	3	29	1	3	226
Parkinson's disease	4	0	2	4	1	2	52
Diseases of heart	66	9	18	164	28	18	762
Essential hypertension	2	0	0	2	0	0	23
Cerebrovascular diseases	13	3	2	30	1	8	163
Influenza and pneumonia	3	2	1	7	2	2	61
Chronic lower respiratory disease	25	3	3	41	9	3	133
Pneumonitis due to solids and liquids	2	0	0	3	3	3	47
Chronic liver disease and cirrhosis	5	0	1	7	1	0	53
Nephritis and nephrosis	9	0	4	20	3	0	70
Conditions orig. in perinatal period	0	0	0	4	0	0	7
Congenital anomalies	1	0	0	2	0	0	14
Symptoms and ill-defined conditions	0	2	1	5	1	3	10
All other diseases	57	6	3	65	22	11	572
Unintentional injuries	20	1	3	27	7	6	263
...Motor vehicle crashes	6	0	1	8	7	3	29
...Falls	7	0	0	4	0	1	102
...Accidental poisoning	3	0	0	9	0	1	112
...Other unintentional injuries	4	1	2	6	0	1	20
Suicide	4	1	0	1	3	2	57
Homicide	1	0	0	2	0	0	5
All other external causes	3	0	0	1	1	1	10

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	St. Clair	St. Francois	St. Louis City	St. Louis County	Ste. Genevieve	Stoddard	Stone
All causes	153	1,028	3,423	11,370	247	449	498
COVID-19	12	121	267	929	26	65	66
Septicemia	2	16	52	170	7	5	4
HIV / AIDS	0	0	12	11	0	0	0
Malignant neoplasms	33	184	560	2,024	54	72	103
...Colon, rectum, and anus	3	17	55	190	10	8	10
...Pancreas	0	16	48	175	4	0	6
...Trachea, bronchus, and lung	8	67	138	469	11	25	34
...Breast	1	12	49	162	2	6	3
...Cervix uteri, corpus uteri, and ovary	0	5	32	91	3	5	5
...Prostate	3	7	29	90	1	2	4
...Urinary tract	0	7	16	107	3	4	4
...Non-Hodgkin's lymphoma	2	4	13	55	3	2	5
...Leukemia	1	4	15	86	1	0	3
...Other malignant neoplasms	15	45	165	599	16	20	29
Diabetes mellitus	3	34	102	225	10	7	7
Alzheimer's disease	3	50	76	525	13	20	8
Parkinson's disease	1	11	15	150	3	9	7
Diseases of heart	49	182	742	2,511	36	95	120
Essential hypertension	0	6	25	63	0	2	0
Cerebrovascular diseases	4	35	170	583	13	20	25
Influenza and pneumonia	1	11	33	115	4	9	6
Chronic lower respiratory disease	9	59	107	325	15	33	28
Pneumonitis due to solids and liquids	1	6	19	96	4	2	4
Chronic liver disease and cirrhosis	1	17	40	119	1	11	9
Nephritis and nephrosis	2	34	65	269	5	8	6
Conditions orig. in perinatal period	0	4	16	36	0	0	1
Congenital anomalies	0	1	8	26	0	1	0
Symptoms and ill-defined conditions	1	15	47	82	1	5	5
All other diseases	22	144	456	1,993	31	59	69
Unintentional injuries	8	83	400	775	19	13	20
...Motor vehicle crashes	1	19	57	148	8	3	9
...Falls	1	7	21	143	2	1	3
...Accidental poisoning	2	44	282	396	7	3	5
...Other unintentional injuries	4	13	40	88	2	6	3
Suicide	1	10	37	148	5	8	7
Homicide	0	2	161	174	0	4	2
All other external causes	0	3	13	21	0	1	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Sullivan	Taney	Texas	Vernon	Warren	Washington	Wayne
All causes	87	796	440	339	463	398	242
COVID-19	11	104	47	44	65	54	17
Septicemia	1	6	5	2	5	7	7
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	19	143	71	59	78	77	37
...Colon, rectum, and anus	0	14	12	6	7	5	2
...Pancreas	2	4	4	2	6	6	3
...Trachea, bronchus, and lung	6	38	18	21	20	21	15
...Breast	1	9	3	1	6	5	0
...Cervix uteri, corpus uteri, and ovary	0	2	3	1	2	1	3
...Prostate	1	8	5	2	6	5	3
...Urinary tract	0	13	2	1	3	6	0
...Non-Hodgkin's lymphoma	0	8	4	1	1	2	0
...Leukemia	2	2	2	5	5	1	2
...Other malignant neoplasms	7	45	18	19	22	25	9
Diabetes mellitus	1	15	11	14	21	15	7
Alzheimer's disease	2	15	11	13	17	11	12
Parkinson's disease	1	8	5	2	5	5	3
Diseases of heart	21	239	88	82	91	88	61
Essential hypertension	0	4	5	2	4	3	1
Cerebrovascular diseases	1	21	24	13	15	7	15
Influenza and pneumonia	2	9	11	8	4	1	0
Chronic lower respiratory disease	6	29	26	18	21	20	14
Pneumonitis due to solids and liquids	0	3	0	0	3	3	1
Chronic liver disease and cirrhosis	1	13	6	3	6	2	5
Nephritis and nephrosis	1	16	12	9	7	9	8
Conditions orig. in perinatal period	0	0	0	0	3	0	0
Congenital anomalies	1	0	1	3	1	1	0
Symptoms and ill-defined conditions	0	3	2	2	4	3	1
All other diseases	10	92	63	43	59	49	37
Unintentional injuries	7	58	39	12	42	33	12
...Motor vehicle crashes	2	12	9	4	7	4	5
...Falls	0	7	7	1	10	3	2
...Accidental poisoning	2	27	14	1	18	17	2
...Other unintentional injuries	3	12	9	6	7	9	3
Suicide	2	14	7	8	11	5	3
Homicide	0	3	1	1	1	2	0
All other external causes	0	1	5	1	0	3	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2021

	Webster	Worth	Wright	Unknown
All causes	507	32	292	0
COVID-19	63	2	44	0
Septicemia	3	0	3	0
HIV / AIDS	0	0	1	0
Malignant neoplasms	92	7	39	0
...Colon, rectum, and anus	12	0	4	0
...Pancreas	8	0	5	0
...Trachea, bronchus, and lung	30	3	14	0
...Breast	4	0	4	0
...Cervix uteri, corpus uteri, and ovary	2	0	0	0
...Prostate	4	0	1	0
...Urinary tract	1	1	3	0
...Non-Hodgkin's lymphoma	1	0	1	0
...Leukemia	3	0	0	0
...Other malignant neoplasms	27	3	7	0
Diabetes mellitus	5	3	14	0
Alzheimer's disease	10	1	14	0
Parkinson's disease	5	0	1	0
Diseases of heart	129	5	57	0
Essential hypertension	0	0	0	0
Cerebrovascular diseases	17	1	12	0
Influenza and pneumonia	10	2	6	0
Chronic lower respiratory disease	25	3	20	0
Pneumonitis due to solids and liquids	3	0	3	0
Chronic liver disease and cirrhosis	7	0	2	0
Nephritis and nephrosis	15	3	2	0
Conditions orig. in perinatal period	1	0	2	0
Congenital anomalies	2	0	2	0
Symptoms and ill-defined conditions	9	1	2	0
All other diseases	72	3	45	0
Unintentional injuries	31	1	18	0
...Motor vehicle crashes	12	1	4	0
...Falls	7	0	7	0
...Accidental poisoning	7	0	2	0
...Other unintentional injuries	5	0	5	0
Suicide	7	0	4	0
Homicide	1	0	0	0
All other external causes	0	0	1	0

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2021

	Ballwin	Blue Springs	Cape Girardeau	Chesterfield	Columbia	Florissant	Gladstone
All causes	279	559	500	544	872	695	313
COVID-19	22	78	34	34	49	67	45
Septicemia	3	8	5	4	13	19	3
HIV / AIDS	0	0	2	0	1	0	0
Malignant neoplasms	55	108	78	89	177	114	60
...Colon, rectum, and anus	7	7	2	11	11	12	7
...Pancreas	8	6	9	7	14	9	1
...Trachea, bronchus, and lung	10	19	16	14	41	26	16
...Breast	7	12	7	6	14	9	2
...Cervix uteri, corpus uteri, and ovary	1	5	1	2	6	4	4
...Prostate	5	4	2	3	5	7	4
...Urinary tract	2	6	3	8	9	5	1
...Non-Hodgkin's lymphoma	1	5	5	3	4	7	5
...Leukemia	0	3	6	4	9	4	2
...Other malignant neoplasms	14	41	27	31	64	31	18
Diabetes mellitus	2	10	12	5	26	19	8
Alzheimer's disease	17	12	28	23	26	24	5
Parkinson's disease	4	6	4	12	16	9	4
Diseases of heart	57	96	126	129	178	156	68
Essential hypertension	1	2	3	5	7	7	1
Cerebrovascular diseases	13	20	24	25	28	30	11
Influenza and pneumonia	5	6	8	8	6	6	3
Chronic lower respiratory disease	9	25	41	17	32	29	17
Pneumonitis due to solids and liquids	0	3	3	3	8	7	5
Chronic liver disease and cirrhosis	6	7	4	5	15	7	3
Nephritis and nephrosis	6	8	19	18	11	21	2
Conditions orig. in perinatal period	0	1	1	0	5	3	0
Congenital anomalies	1	2	1	1	4	1	0
Symptoms and ill-defined conditions	2	3	8	3	13	4	1
All other diseases	59	111	77	134	169	102	44
Unintentional injuries	13	34	15	21	59	42	21
...Motor vehicle crashes	4	7	4	1	9	13	2
...Falls	1	9	2	12	3	4	6
...Accidental poisoning	4	13	5	6	35	22	8
...Other unintentional injuries	4	5	4	2	12	3	5
Suicide	4	11	4	6	19	10	6
Homicide	0	6	1	1	9	18	3
All other external causes	0	2	2	1	1	0	3

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2021

	Grandview	Hazelwood	Independence	Jefferson City	Joplin	Joplin - Jasper County	Joplin - Newton County
All causes	318	280	1,694	491	676	583	93
COVID-19	54	23	181	43	74	69	5
Septicemia	6	3	20	5	10	9	1
HIV / AIDS	0	0	3	0	0	0	0
Malignant neoplasms	58	56	273	86	119	102	17
...Colon, rectum, and anus	5	5	23	3	7	7	0
...Pancreas	4	9	21	5	8	7	1
...Trachea, bronchus, and lung	18	12	77	15	29	25	4
Breast	5	5	18	5	9	7	2
...Cervix uteri, corpus uteri, and ovary	4	1	11	6	1	1	0
Prostate	4	0	10	6	7	4	3
Urinary tract	0	3	16	6	9	9	0
...Non-Hodgkin's lymphoma	1	3	14	2	2	2	0
Leukemia	3	3	14	5	5	5	0
...Other malignant neoplasms	14	15	69	33	42	35	7
Diabetes mellitus	10	8	51	27	15	14	1
Alzheimer's disease	2	4	27	12	31	26	5
Parkinson's disease	8	3	21	3	4	4	0
Diseases of heart	52	71	352	91	139	123	16
Essential hypertension	3	3	8	21	2	2	0
Cerebrovascular diseases	9	16	65	14	23	18	5
Influenza and pneumonia	3	6	13	4	11	11	0
Chronic lower respiratory disease	10	6	96	37	44	33	11
Pneumonitis due to solids and liquids	3	2	6	8	2	1	1
Chronic liver disease and cirrhosis	3	2	25	5	14	12	2
Nephritis and nephrosis	5	6	35	9	20	16	4
Conditions orig. in perinatal period	2	1	6	3	1	1	0
Congenital anomalies	1	1	10	0	1	1	0
Symptoms and ill-defined conditions	2	0	7	2	2	1	1
All other diseases	47	35	320	93	109	93	16
Unintentional injuries	25	29	115	20	37	32	5
...Motor vehicle crashes	2	7	22	2	11	11	0
...Falls	1	4	23	1	4	3	1
...Accidental poisoning	16	17	54	10	16	13	3
...Other unintentional injuries	6	1	16	7	6	5	1
Suicide	10	2	36	8	14	12	2
Homicide	4	3	15	0	4	3	1
All other external causes	1	0	9	0	0	0	0

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2021

	Kansas City	Kansas City - Cass County	Kansas City - Clay County	Kansas City - Jackson County	Kansas City - Platte County	Kirkwood	Lee's Summit
All causes	4,886	1	1,018	3,385	482	305	841
COVID-19	515	0	119	351	45	18	80
Septicemia	59	0	9	42	8	2	11
HIV / AIDS	17	0	1	16	0	0	0
Malignant neoplasms	840	0	211	554	75	67	161
...Colon, rectum, and anus	81	0	18	51	12	7	15
...Pancreas	70	0	15	46	9	8	13
...Trachea, bronchus, and lung	200	0	47	139	14	14	36
...Breast	51	0	11	35	5	9	17
...Cervix uteri, corpus uteri, and ovary	40	0	15	22	3	2	7
...Prostate	40	0	6	30	4	1	6
...Urinary tract	48	0	9	34	5	8	10
...Non-Hodgkin's lymphoma	20	0	5	13	2	3	6
...Leukemia	35	0	12	21	2	1	8
...Other malignant neoplasms	255	0	73	163	19	14	43
Diabetes mellitus	137	1	25	100	11	2	12
Alzheimer's disease	106	0	28	57	21	15	17
Parkinson's disease	47	0	14	21	12	2	12
Diseases of heart	923	0	171	648	104	76	155
Essential hypertension	23	0	1	20	2	0	5
Cerebrovascular diseases	197	0	39	138	20	21	39
Influenza and pneumonia	42	0	14	28	0	2	6
Chronic lower respiratory disease	174	0	39	117	18	9	28
Pneumonitis due to solids and liquids	46	0	11	29	6	3	5
Chronic liver disease and cirrhosis	69	0	10	51	8	0	9
Nephritis and nephrosis	93	0	21	64	8	6	18
Conditions orig. in perinatal period	24	0	4	17	3	2	4
Congenital anomalies	14	0	4	10	0	0	2
Symptoms and ill-defined conditions	32	0	6	24	2	5	14
All other diseases	876	0	190	592	94	58	193
Unintentional injuries	388	0	70	284	34	9	43
...Motor vehicle crashes	67	0	13	51	3	3	7
...Falls	77	0	20	47	10	2	21
...Accidental poisoning	166	0	25	131	10	4	9
...Other unintentional injuries	78	0	12	55	11	0	6
...Suicide	91	0	20	64	7	6	17
...Homicide	153	0	9	142	2	0	6
All other external causes	20	0	2	16	2	2	4

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2021

	Liberty	Maryland Heights	O'Fallon	Raytown	Springfield	St. Charles	St. Joseph
All causes	275	265	740	402	2,250	775	961
COVID-19	28	14	58	46	241	43	78
Septicemia	7	7	13	5	27	11	8
HIV / AIDS	1	0	0	0	4	1	0
Malignant neoplasms	59	54	134	66	341	143	175
...Colon, rectum, and anus	7	5	10	8	35	11	19
...Pancreas	2	5	18	2	26	10	9
...Trachea, bronchus, and lung	19	15	27	20	93	40	57
...Breast	3	6	10	5	14	10	6
...Cervix uteri, corpus uteri, and ovary	2	3	7	2	12	5	3
...Prostate	1	3	2	5	19	3	3
...Urinary tract	1	2	10	2	20	7	11
...Non-Hodgkin's lymphoma	4	0	4	2	8	1	7
...Leukemia	1	3	6	3	4	6	6
...Other malignant neoplasms	19	12	40	17	110	50	54
Diabetes mellitus	7	4	8	8	36	15	14
Alzheimer's disease	8	8	41	5	101	60	32
Parkinson's disease	4	7	9	5	34	11	5
Diseases of heart	50	53	178	74	545	174	217
Essential hypertension	2	0	4	3	10	6	5
Cerebrovascular diseases	14	14	39	18	79	32	42
Influenza and pneumonia	0	5	8	2	20	13	9
Chronic lower respiratory disease	17	9	18	24	106	33	88
Pneumonitis due to solids and liquids	0	7	6	3	9	14	9
Chronic liver disease and cirrhosis	2	4	10	2	37	14	15
Nephritis and nephrosis	6	4	13	16	37	19	19
Conditions orig. in perinatal period	0	0	4	0	7	1	5
Congenital anomalies	1	2	3	0	6	2	3
Symptoms and ill-defined conditions	3	4	2	4	7	3	9
All other diseases	50	52	119	91	345	103	142
Unintentional injuries	11	12	56	15	190	64	55
...Motor vehicle crashes	1	1	7	4	27	6	14
...Falls	1	2	24	6	30	22	11
...Accidental poisoning	6	4	23	3	111	32	25
...Other unintentional injuries	3	5	2	2	22	4	5
...Suicide	4	3	15	4	44	10	19
...Homicide	1	1	0	9	21	0	9
All other external causes	0	1	2	2	3	3	3

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2021

	St. Louis City	St. Peters	University City	Wentzville	Wildwood
All causes	3,423	555	400	307	190
COVID-19	267	46	39	38	16
Septicemia	52	10	5	2	0
HIV / AIDS	12	1	0	0	1
Malignant neoplasms	560	99	69	63	46
...Colon, rectum, and anus	55	3	9	5	3
...Pancreas	48	5	7	1	3
...Trachea, bronchus, and lung	138	28	13	14	9
...Breast	49	9	7	8	4
...Cervix uteri, corpus uteri, and ovary	32	4	6	2	3
...Prostate	29	6	4	3	2
Urinary tract	16	8	1	3	3
...Non-Hodgkin's lymphoma	13	2	2	2	0
...Leukemia	15	4	1	3	4
...Other malignant neoplasms	165	30	19	22	15
Diabetes mellitus	102	24	12	10	4
Alzheimer's disease	76	32	20	11	10
Parkinson's disease	15	10	7	3	2
Diseases of heart	742	99	81	50	36
Essential hypertension	25	2	1	3	0
Cerebrovascular diseases	170	27	23	12	9
Influenza and pneumonia	33	6	1	5	2
Chronic lower respiratory disease	107	23	12	13	3
Pneumonitis due to solids and liquids	19	9	4	3	4
Chronic liver disease and cirrhosis	40	11	4	5	1
Nephritis and nephrosis	65	12	15	9	5
Conditions orig. in perinatal period	16	1	1	0	0
Congenital anomalies	8	1	0	1	0
Symptoms and ill-defined conditions	47	1	5	2	0
All other diseases	456	95	62	44	40
Unintentional injuries	400	33	27	26	8
...Motor vehicle crashes	57	2	6	5	1
...Falls	21	18	9	6	2
...Accidental poisoning	282	10	10	13	3
...Other unintentional injuries	40	3	2	2	2
Suicide	37	10	4	6	2
Homicide	161	1	8	1	0
All other external causes	13	2	0	0	1

Table 27. Recorded Deaths by Type of Accident by Age by Sex: Missouri, 2021

		<u>All Ages</u>		<u>0-4 Years</u>		<u>5-14 Years</u>		<u>15-24 Years</u>		<u>25-44 Years</u>		<u>45-64 Years</u>		<u>65-74 Years</u>		<u>Over 74</u>		
		Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Recorded Total		5,026	3,291	1,735	55	46	39	26	255	103	1,165	451	939	388	325	150	513	571
Work Total		99	97	2	0	0	0	6	1	31	0	46	0	8	0	6	1	
Heavy transport vehicle		4	4	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
Other motor vehicle		24	24	0	0	0	0	1	0	8	0	13	0	2	0	0	0	
Other transport		3	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
Falls		20	19	1	0	0	0	0	0	6	0	8	0	3	0	2	0	
Farm machinery		1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Other machinery		6	6	0	0	0	0	1	0	1	0	2	0	2	0	0	0	
Struck by/against object		11	11	0	0	0	0	2	0	3	0	5	0	0	0	1	0	
Electric current		2	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	
Other/unspecified accident		28	27	1	0	0	0	0	0	1	10	0	15	0	1	0	1	
Home Total		2,359	1,500	859	45	37	10	12	103	36	591	258	408	216	125	76	218	224
Falls		556	281	275	0	0	0	0	0	1	7	1	44	25	53	45	177	203
Machinery		7	6	1	1	0	0	0	0	0	0	0	3	0	1	0	1	
Firearms		18	17	1	3	1	3	0	2	0	2	0	2	0	3	0	2	0
Struck by/against object		23	21	2	0	0	0	0	2	0	2	0	4	0	1	1	12	1
Drowning		28	17	11	8	3	1	0	0	0	0	2	4	1	1	2	2	3
Choke/suffocate		77	45	32	26	29	1	0	0	0	4	1	5	1	7	0	2	1
Excess natural heat/cold		17	11	6	0	0	0	0	0	0	1	0	4	0	3	0	3	6
Fire/flame/smoke		105	63	42	7	1	4	5	0	2	10	9	19	8	13	11	10	6
Poisoning (drug/alcohol)		1,461	998	463	0	1	5	94	32	553	236	311	173	38	15	1	1	
Poisoning (gas/other)		19	10	9	0	0	0	0	0	0	5	5	3	3	1	0	1	
Other/unspecified accident		48	31	17	0	2	0	2	5	1	5	2	12	5	3	2	6	
Public Transport Total		1,074	766	308	5	4	19	9	110	52	251	95	218	81	95	28	68	39
Car or truck		732	475	257	3	3	9	6	91	46	158	82	107	57	57	26	50	37
Pedestrian		115	85	30	2	0	4	2	5	3	26	8	32	14	11	2	5	1
Pedal cyclist		6	5	1	0	0	0	0	1	1	0	2	0	1	0	0	0	
Motorcyclist		153	146	7	0	0	0	0	10	1	57	3	61	3	14	0	4	0
Railroad (not motor vehicle)		4	4	0	0	0	0	0	1	0	3	0	0	0	0	0	0	
Non-road vehicle (including ATV)		31	24	7	0	1	4	0	0	1	3	1	7	4	8	0	2	
Water transport		16	11	5	0	0	1	1	2	0	1	1	2	3	0	0	5	0
Air transport		7	7	0	0	0	0	0	0	0	0	0	3	0	3	0	1	0
Other/unspecified transport		10	9	1	0	0	1	0	0	0	2	0	4	0	1	0	1	
Public Non-Transport Total		1,476	915	561	5	10	5	36	14	287	97	264	91	96	45	217	304	
Falls		367	162	205	0	0	0	1	10	1	24	11	17	13	110	179		
Machinery		5	5	0	0	0	0	0	0	0	0	0	4	0	1	0	0	
Firearms		6	6	0	0	1	0	0	0	4	0	1	0	0	0	0	0	
Struck by/against object		8	7	1	0	0	1	0	1	0	2	0	1	1	2	0	0	
Drowning		79	64	15	3	1	7	4	8	2	22	4	15	3	7	0	2	1
Choke/suffocate		105	55	50	2	3	1	0	0	2	1	14	4	8	15	28	27	
Excess natural heat/cold		27	20	7	0	0	0	0	0	1	1	10	0	6	2	3	4	
Fire/flame/smoke		8	4	4	0	1	0	0	0	2	1	1	0	1	1	0	1	
Poisoning (drug/alcohol)		633	466	167	0	0	1	24	10	232	89	178	60	29	5	3	2	
Poisoning (gas/other)		10	8	2	0	0	0	0	0	5	0	2	1	1	0	0	1	
Other/unspecified accident		228	118	110	0	0	0	0	2	1	7	0	18	11	21	9	70	89
Late Effects of Accidents		18	13	5	0	0	0	0	0	5	1	3	0	1	1	4	3	

Table 28. Resident Deaths by Selected Variables by Determination of Tobacco Use Contributing to Cause of Death: Missouri, 2021

	Total	Tobacco Use Contributed to Death			Percentage			
		Yes	Probably	No	Unknown	Yes	Probably	No
State Total	73,831	6,506	3,969	34,632	28,724	8.8	5.4	46.9
Gender								38.9
Male	38,971	3,760	2,476	17,355	15,380	9.6	6.4	44.5
Female	34,860	2,746	1,493	17,277	13,344	7.9	4.3	49.6
Decedent's Race								39.5
White Non-Hispanic	63,234	5,891	3,524	29,267	24,552	9.3	5.6	46.3
Black Non-Hispanic	8,575	517	371	4,328	3,359	6.0	4.3	50.5
Other Non-Hispanic*	1,057	54	42	550	411	5.1	4.0	52.0
Hispanic, Any Race	907	37	28	464	378	4.1	3.1	51.2
Decedent's Age								41.7
Under 35	3,325	18	22	2,697	588	0.5	0.7	81.1
35-44	2,641	100	80	1,675	786	3.8	3.0	63.4
45-54	4,416	344	250	2,049	1,773	7.8	5.7	46.4
55-64	10,746	1,436	788	4,097	4,425	13.4	7.3	38.1
65-74	15,775	2,043	1,120	6,033	6,579	13.0	7.1	38.2
75-84	17,707	1,724	1,096	7,625	7,262	9.7	6.2	43.1
85+	19,221	841	613	10,456	7,311	4.4	3.2	54.4
Underlying Cause of Death								38.0
Heart disease	15,716	1,423	869	6,460	6,964	9.1	5.5	41.1
Cancer	13,146	1,967	1,099	5,014	5,066	15.0	8.4	38.1
...Lung cancer	3,460	1,328	594	309	1,229	38.4	17.2	8.9
...Other cancer	9,686	639	505	4,705	3,837	6.6	5.2	48.6
Chronic lower respiratory disease	3,624	1,370	535	383	1,336	37.8	14.8	10.6
Stroke	3,177	161	137	1,465	1,414	5.1	4.3	46.1
Unintentional injuries	4,814	75	55	3,515	1,169	1.6	1.1	73.0
Alzheimer's disease	2,518	40	30	1,599	849	1.6	1.2	63.5
Diabetes mellitus	1,876	188	148	766	774	10.0	7.9	40.8
Influenza and pneumonia	885	47	36	411	391	5.3	4.1	46.4
Nephritis and nephrosis	1,542	62	51	685	744	4.0	3.3	44.4
Other	26,533	1,173	1,009	14,334	10,017	4.4	3.8	54.0
								37.8

Table 29. Resident Deaths by Selected Characteristics by Sex: Missouri, 2021

	Total	Female	Male
State Total	73,831	34,860	38,971
Certifier			
Certifying Physician	57,001	29,054	27,947
Medical Examiner/Coroner	16,516	5,692	10,824
Other	314	114	200
Death Place			
Inpatient	22,986	10,502	12,484
Emergency Room/Outpatient	4,048	1,558	2,490
Dead on Arrival	40	12	28
Decedent's Home	26,015	11,534	14,481
Hospice Facility	2,463	1,285	1,178
Nursing Home	14,452	8,628	5,824
Other	3,827	1,341	2,486
Month of Death			
January	7,381	3,524	3,857
February	5,679	2,665	3,014
March	5,646	2,644	3,002
April	5,461	2,522	2,939
May	5,482	2,584	2,898
June	5,452	2,533	2,919
July	6,200	2,962	3,238
August	7,052	3,311	3,741
September	6,398	3,058	3,340
October	6,048	2,868	3,180
November	6,113	2,916	3,197
December	6,919	3,273	3,646

	Total	Female	Male
Disposition			
Burial	30,699	15,829	14,870
Cremation	40,691	17,768	22,923
Donation	924	500	424
Entombment	382	207	175
Removal from State	1,104	546	558
Other	31	10	21
Marital Status			
Married	27,250	9,308	17,942
Divorced	13,317	6,033	7,284
Widowed	22,541	15,798	6,743
Never Married	10,155	3,562	6,593
Unknown	568	159	409
Education of Deceased			
8th Grade or Less	5,668	2,780	2,888
9th to 11th Grade	7,939	3,592	4,347
High School Graduates	34,254	16,722	17,532
Some College	14,454	7,019	7,435
Bachelor's Degree	6,635	2,869	3,766
Post-Graduate Degree	3,834	1,479	2,355
Unknown	1,047	399	648
Autopsy			
Yes	4,339	1,331	3,008
Yes, but not used	272	114	158

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2021

		Total Population						Average Remaining Lifetime	
Age Interval	Proportion Dying	Of 100,000 Born Alive			Stationary Population			Average number of years of life remaining at beginning of age interval	
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	T_x	E_x		
$X \leq X + N$	nQ_x	L_x	nD_x	nL_x					
0 to 1	0.0057	100,000	568	99,489				7,463,803	74.6
1 to 5	0.0014	99,432	143	397,443				7,364,314	74.1
5 to 10	0.0007	99,289	65	496,282				6,966,871	70.2
10 to 15	0.0010	99,224	100	495,868				6,470,589	65.2
15 to 19	0.0041	99,124	410	494,593				5,974,721	60.3
20 to 25	0.0066	98,713	656	491,928				5,480,128	55.5
25 to 30	0.0099	98,058	972	487,857				4,988,201	50.9
30 to 35	0.0124	97,085	1,208	482,406				4,500,344	46.4
35 to 40	0.0144	95,877	1,383	475,929				4,017,938	41.9
40 to 45	0.0191	94,495	1,803	467,965				3,542,009	37.5
45 to 50	0.0252	92,692	2,338	457,613				3,074,043	33.2
50 to 55	0.0347	90,353	3,140	443,918				2,616,431	29.0
55 to 60	0.0527	87,214	4,595	424,581				2,172,512	24.9
60 to 65	0.0733	82,618	6,056	397,952				1,747,931	21.2
65 to 70	0.0965	76,562	7,387	364,344				1,349,979	17.6
70 to 75	0.1360	69,175	9,408	322,356				985,635	14.2
75 to 80	0.2060	59,767	12,314	268,049				663,279	11.1
80 to 85	0.3048	47,453	14,462	201,108				395,230	8.3
85+	1.00000	32,991	32,991	194,121				194,121	5.9

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2021

Male Population

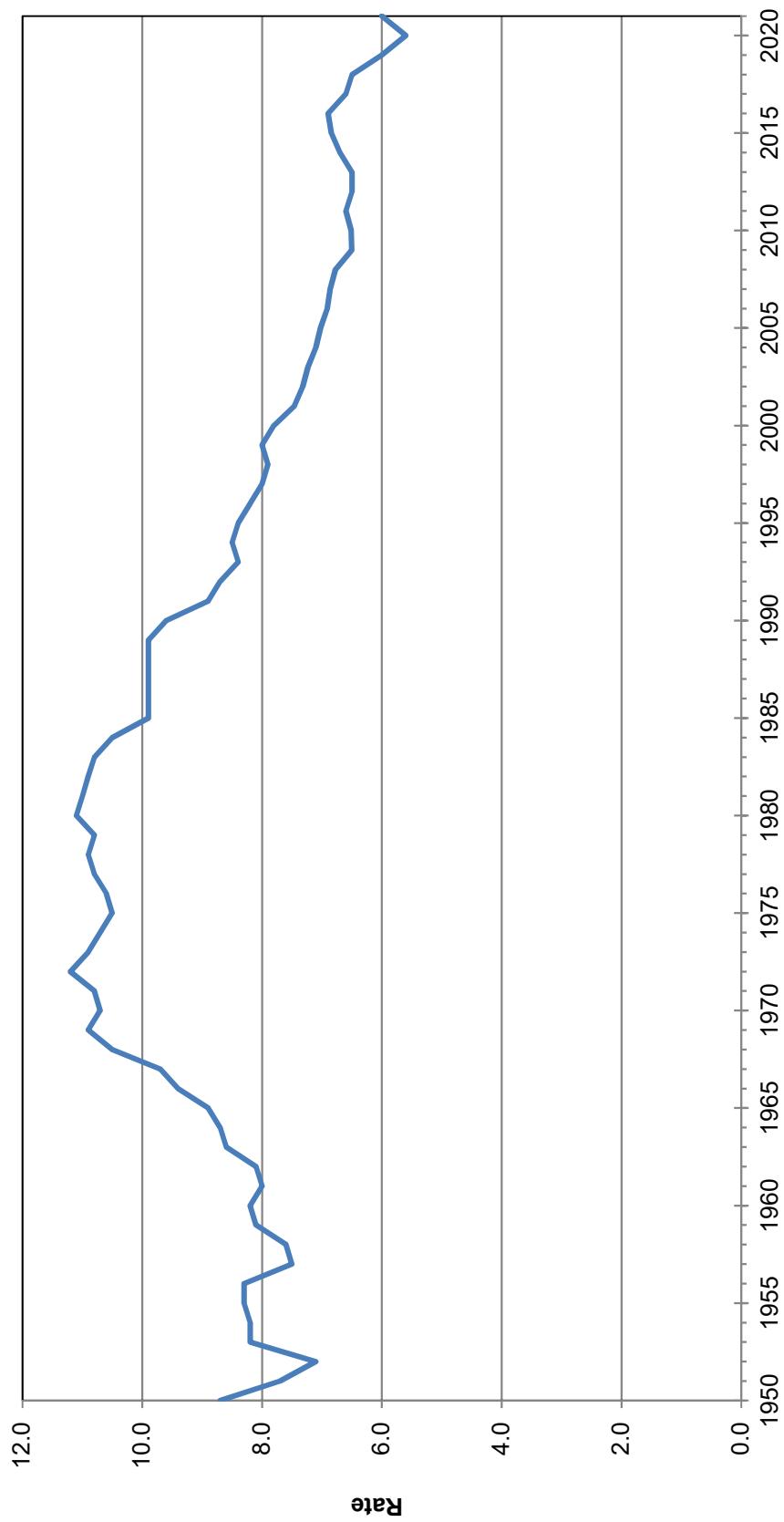
Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
		Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	
X TO X + N	nQ _x	L _x	nD _x	nL _x	T _x	E _x
0 to 1	0.0063	100,000	625	99,437	7,166,442	71.7
1 to 5	0.00117	99,375	170	397,158	7,067,005	71.1
5 to 10	0.0008	99,204	79	495,824	6,669,847	67.2
10 to 15	0.0013	99,125	125	495,314	6,174,023	62.3
15 to 19	0.0057	99,000	568	493,581	5,678,709	57.4
20 to 25	0.0100	98,432	987	489,694	5,185,128	52.7
25 to 30	0.0145	97,445	1,415	483,691	4,695,433	48.2
30 to 35	0.0172	96,031	1,655	476,017	4,211,743	43.9
35 to 40	0.0196	94,376	1,854	467,246	3,735,726	39.6
40 to 45	0.0242	92,522	2,240	457,012	3,268,480	35.3
45 to 50	0.0319	90,282	2,881	444,209	2,811,468	31.1
50 to 55	0.0437	87,401	3,816	427,465	2,367,259	27.1
55 to 60	0.0636	83,585	5,318	404,630	1,939,795	23.2
60 to 65	0.0899	78,267	7,034	373,751	1,535,165	19.6
65 to 70	0.1181	71,233	8,414	335,132	1,161,413	16.3
70 to 75	0.1605	62,819	10,085	288,884	826,282	13.2
75 to 80	0.2361	52,734	12,452	232,542	537,398	10.2
80 to 85	0.3494	40,283	14,074	166,228	304,856	7.6
85+	1.0000	26,208	26,208	138,628	138,628	5.3

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2021

Female Population

Age Interval	Proportion Dying	Of 100,000 Born Alive			Stationary Population			Average Remaining Lifetime
		Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	T_x	E_x	
X TO X + N	nQ_x	L_x	nD_x	nL_x				
0 to 1	0.0051	100,000	507	99,544				77.8
1 to 5	0.0012	99,493	115	397,742				7,677,995
5 to 10	0.0005	99,378	51	496,763				7,280,253
10 to 15	0.0007	99,327	74	496,451				6,783,491
15 to 19	0.0024	99,253	243	495,660				6,287,040
20 to 25	0.0032	99,011	312	494,274				5,791,380
25 to 30	0.0052	98,699	514	492,209				5,297,107
30 to 35	0.0077	98,185	753	489,041				4,804,898
35 to 40	0.0091	97,432	890	484,932				4,315,857
40 to 45	0.0139	96,541	1,342	479,350				3,830,925
45 to 50	0.0185	95,199	1,766	471,580				3,351,575
50 to 55	0.0258	93,433	2,411	461,137				30.8
55 to 60	0.0420	91,022	3,819	445,560				26.6
60 to 65	0.0573	87,202	4,999	423,515				22.6
65 to 70	0.0764	82,204	6,279	395,322				18.9
70 to 75	0.1141	75,925	8,667	357,959				15.2
75 to 80	0.1806	67,258	12,144	305,931				11.8
80 to 85	0.2703	55,114	14,896	238,331				8.9
85+	1.0000	40,218	40,218	252,239				6.3

Graph F. Marriage Rates per 1,000 Population: Missouri, 1950-2021



Year	Marriages	Rate	Year	Marriages	Rate	Year	Marriages	Rate
1950	34,300	8.7	1985	49,484	9.9	2015	41,377	6.8
1955	34,162	8.3	1990	49,063	9.6	2016	41,747	6.9
1960	35,368	8.2	1995	45,057	8.4	2017	40,316	6.6
1965	39,882	8.9	2000	43,665	7.8	2018	39,692	6.5
1970	50,224	10.7	2005	40,675	7.0	2019	36,636	6.0
1975	50,147	10.5	2010	38,998	6.5	2020	34,425	5.6
1980	54,625	11.1	2014	40,779	6.7	2021	37,254	6.0

Table 31. Reported Marriages by Month of Event: Missouri, 2021

	Total	Gender			
		Male-Female	Female-Female	Male-Male	Not Stated
Total	37,254	35,978	780	372	124
January	1,605	1,547	34	21	3
February	1,425	1,368	40	15	2
March	2,085	2,011	55	13	6
April	2,946	2,840	55	34	17
May	3,989	3,856	85	34	14
June	3,553	3,444	62	31	16
July	3,333	3,226	60	35	12
August	3,024	2,933	53	20	18
September	4,290	4,143	84	53	10
October	5,971	5,787	122	56	6
November	2,597	2,501	61	29	6
December	2,436	2,322	69	31	14

Table 32. Reported Male-Female Marriages by Age: Missouri, 2021

<u>Age of Male</u>	<u>Total</u>	<u>Age of Female</u>														
		<u>14 And Under</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>
Total	35,978	0	0	15	56	447	745	989	1,336	1,637	1,791	1,924	2,110	2,034	1,936	1,776
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	4	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
17	12	0	0	3	1	5	3	0	0	0	0	0	0	0	0	0
18	164	0	0	7	19	63	49	15	6	3	1	0	0	0	0	0
19	391	0	0	2	19	107	130	65	34	12	8	2	3	1	0	0
20	736	0	0	3	16	103	195	200	114	47	17	13	6	2	5	5
21	1,012	0	0	0	0	60	144	231	283	133	63	33	24	7	5	7
22	1,279	0	0	0	0	38	81	171	271	354	181	80	40	15	11	12
23	1,470	0	0	0	0	24	55	104	214	335	373	177	75	37	15	15
24	1,709	0	0	0	0	15	27	62	136	247	357	411	229	71	52	26
25	1,752	0	0	0	0	8	12	29	79	163	239	358	415	203	72	46
26	1,779	0	0	0	0	5	12	31	53	109	142	264	360	383	165	83
27	1,774	0	0	0	0	3	7	17	26	55	114	173	244	363	343	145
28	1,793	0	0	0	0	6	6	17	30	45	78	122	214	234	314	283
29	1,675	0	0	0	0	2	5	16	16	24	64	69	118	171	234	277
30	1,601	0	0	0	0	1	3	7	16	17	33	54	118	134	187	222
31	1,434	0	0	0	0	2	3	3	10	22	28	43	75	92	135	137
32	1,291	0	0	0	0	0	0	3	2	8	14	24	28	48	80	87
33	1,212	0	0	0	0	0	0	0	5	6	9	16	11	35	46	87
34	984	0	0	0	0	0	0	0	3	0	4	8	11	7	20	32
35-39	3,999	0	0	0	0	3	3	7	12	23	30	48	51	100	126	152
40-44	2,621	0	0	0	0	1	3	5	7	8	6	14	26	39	34	51
45-49	2,122	0	0	0	0	0	0	0	1	4	6	5	8	4	14	11
50-54	1,726	0	0	0	0	0	0	0	0	4	2	0	5	4	9	4
55-59	1,296	0	0	0	0	0	0	0	0	3	1	1	0	0	1	0
60-64	937	0	0	0	0	0	0	0	0	0	0	3	1	1	0	2
65-69	567	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70-74	330	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
75 +	307	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Stated	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 32. Reported Male-Female Marriages by Age: Missouri, 2021

<u>Age of Male</u>	<u>Age of Female</u>															
	29	30	31	32	33	34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 +	Not Stated
Total	1,688	1,473	1,311	1,184	1,022	882	3,402	2,374	1,917	1,463	959	730	387	232	155	3
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
19	2	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0
20	2	2	0	1	0	1	1	1	3	0	0	0	0	0	0	0
21	6	2	5	0	1	1	4	3	0	0	0	0	0	0	0	0
22	7	5	3	1	0	3	5	1	0	0	0	0	0	0	0	0
23	11	8	6	5	5	0	9	1	1	0	0	0	0	0	0	0
24	24	8	10	8	3	2	15	4	2	0	0	0	0	0	0	0
25	28	28	17	12	10	4	20	5	0	2	0	0	0	0	0	2
26	49	26	25	14	9	10	23	8	5	3	0	0	0	0	0	0
27	98	55	37	20	14	14	30	12	1	2	1	0	0	0	0	0
28	146	91	50	42	24	25	50	11	2	0	1	0	0	0	0	1
29	264	153	70	55	42	21	55	16	2	1	0	0	0	0	0	0
30	245	192	120	76	51	33	59	23	6	3	1	0	0	0	0	0
31	179	187	178	107	58	47	92	25	8	1	1	0	0	0	1	0
32	144	143	139	150	91	58	106	21	8	7	0	0	0	0	0	0
33	103	142	142	127	112	85	153	33	19	4	0	0	0	0	0	0
34	83	77	96	107	104	87	183	37	8	3	0	0	0	0	0	0
35-39	205	239	285	309	310	313	1,259	393	93	30	5	3	0	0	0	0
40-44	51	67	86	97	110	103	788	765	268	71	15	5	1	0	0	0
45-49	23	29	30	51	46	353	574	622	216	59	12	3	1	2	0	0
50-54	12	12	12	16	17	21	115	285	539	482	127	34	8	5	1	0
55-59	5	2	7	5	6	3	54	106	210	375	360	127	21	6	2	0
60-64	0	3	1	0	1	2	20	35	67	178	252	278	70	18	5	0
65-69	1	1	0	0	2	2	4	9	35	55	92	174	144	37	11	0
70-74	0	0	0	1	0	0	1	2	16	17	34	57	90	86	25	0
75 +	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 33A. Reported Marriages by Age and Previous Marital Status: Missouri, 2021

Age	Male-Female						Same-Sex					
	Female			Male			Partner 1			Partner 2		
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
Total	35,978	24,345	1,102	10,504	35,978	24,260	951	10,739	1,152	887	19	246
14 and Under	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	15	15	0	0	4	4	0	0	0	0	0	0
17	56	56	0	0	12	12	0	0	0	0	0	0
18	447	447	0	0	164	164	0	0	5	5	0	0
19	745	742	0	2	391	390	0	0	8	8	0	0
20	989	982	0	6	736	732	0	2	27	27	0	0
21	1,336	1,308	1	27	1,012	1,006	0	6	24	23	0	1
22	1,637	1,593	1	43	1,279	1,264	0	15	28	28	0	0
23	1,791	1,747	2	42	1,470	1,438	0	29	38	38	0	0
24	1,924	1,842	1	79	1,709	1,646	0	61	48	44	0	4
25	2,110	1,975	2	133	1,752	1,679	1	70	44	40	0	4
26	2,034	1,887	1	145	1,779	1,694	0	83	66	61	0	5
27	1,936	1,743	4	189	1,774	1,666	1	107	70	63	1	6
28	1,776	1,507	6	262	1,793	1,620	0	173	68	55	0	13
29	1,688	1,395	2	287	1,675	1,497	3	174	55	44	0	11
30	1,473	1,183	9	281	1,601	1,374	4	223	51	42	0	9
31	1,311	978	6	326	1,434	1,194	6	232	58	48	0	10
32	1,184	803	6	374	1,291	1,024	6	261	49	39	0	10
33	1,022	628	7	386	1,212	905	0	307	28	25	0	3
34	882	543	12	326	984	701	2	281	45	34	0	11
35-39	3,402	1,548	71	1,781	3,999	2,259	23	1,714	131	90	1	40
40-44	2,374	690	87	1,593	2,621	946	49	1,626	85	50	4	31
45-49	1,917	364	110	1,441	2,122	509	54	1,557	62	27	2	33
50-54	1,463	177	126	1,158	1,726	245	79	1,398	45	33	1	11
55-59	959	101	105	752	1,296	164	120	1,010	49	31	0	18
60-64	730	56	172	502	937	68	139	729	39	17	6	16
65-69	387	25	148	213	567	41	148	378	19	12	2	5
70-74	232	6	112	113	330	11	132	186	6	3	1	2
75+	155	2	111	42	307	6	184	117	4	0	1	3
Not Stated	3	2	0	1	1	1	0	0	0	0	0	0
Median Age at Marriage	29.7	26.8	59.8	41.7	31.6	28.3	64.8	45.0	31.7	30.1	60.5	39.8
											31.5	29.7
											890	8
												254

Table 33B. Reported Same-Sex Marriages by Age and Previous Marital Status: Missouri, 2021

Age	Female-Female						Male-Male					
	Partner 1			Partner 2			Partner 1			Partner 2		
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
Total	780	580	12	188	780	571	4	205	372	307	7	58
14 and Under	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	4	4	0	0	7	7	0	0	1	1	0	0
19	7	7	0	0	11	11	0	0	1	1	0	0
20	20	20	0	0	13	12	0	1	7	7	0	0
21	18	17	0	1	28	28	0	0	6	6	0	0
22	23	23	0	0	25	25	0	0	5	5	0	0
23	27	27	0	0	26	25	0	1	11	11	0	0
24	36	32	0	4	33	31	0	2	12	12	0	0
25	35	31	0	4	33	30	0	3	9	9	0	0
26	43	40	0	3	34	32	0	2	23	21	0	2
27	45	39	1	5	45	39	0	6	25	24	0	1
28	48	35	0	13	44	37	0	7	20	20	0	0
29	40	32	0	8	34	29	0	5	15	12	0	3
30	36	29	0	7	40	34	0	6	15	13	0	2
31	42	34	0	8	33	22	0	11	16	14	0	2
32	34	26	0	8	37	27	0	10	15	13	0	2
33	20	17	0	3	28	19	0	9	8	8	0	11
34	28	18	0	10	28	18	0	10	17	16	0	11
35-39	86	57	1	28	87	50	0	37	45	33	0	12
40-44	55	27	3	25	72	35	0	37	30	23	1	6
45-49	40	14	0	26	37	12	1	24	22	13	2	7
50-54	27	18	1	8	32	16	1	15	18	15	0	3
55-59	29	16	0	13	22	16	0	6	20	15	0	5
60-64	23	11	3	9	16	7	0	9	16	6	3	7
65-69	9	4	2	3	6	4	1	1	10	8	0	2
70-74	4	2	1	1	5	2	0	3	2	1	0	1
75+	1	0	0	1	4	3	1	0	3	0	1	1
Median Age at Marriage	31.2	29.5	55.9	38.6	31.4	29.3	59.6	38.3	33.7	31.8	62.6	42.8
											31.6	30.7
											49.5	43.0

Table 34A. Reported Male-Female Marriages by Race: Missouri, 2021

<u>Race of Female Partner</u>	Total	Race of Male Partner			
		White	Black	Other	Unknown
Total	35,978	29,448	3,370	1,262	1,898
White	29,794	27,945	805	625	419
Black	2,813	332	2,396	49	36
Other	1,415	743	81	576	15
Unknown	1,956	428	88	12	1,428

Table 34B. Reported Female-Female Marriages by Race: Missouri, 2021

<u>Race of Second Partner</u>	Total	Race of First Partner			
		White	Black	Other	Unknown
Total	780	584	111	32	53
White	580	531	19	15	15
Black	116	24	84	1	7
Other	38	18	5	15	0
Unknown	46	11	3	1	31

Table 34C. Reported Male-Male Marriages by Race: Missouri, 2021

<u>Race of Second Partner</u>	Total	Race of First Partner			
		White	Black	Other	Unknown
Total	372	294	32	19	27
White	270	244	5	14	7
Black	33	7	24	2	0
Other	28	25	0	3	0
Unknown	41	18	3	0	20

Table 35A. Reported Marriages by County of Recording with Rates per 1,000 Population: Missouri, 2021

Counties	Population	Marriages	Rate	Counties	Population	Marriages	Rate
State Total	6,168,187	37,254	6.0	Greene	300,865	2,166	7.2
Adair	25,185	132	5.2	Grundy	9,720	61	6.3
Andrew	18,002	98	5.4	Harrison	8,164	54	6.6
Atchison	5,234	27	5.2	Henry	22,206	166	7.5
Audrain	24,982	136	5.4	Hickory	8,607	45	5.2
Barry	34,712	177	5.1	Holt	4,226	25	5.9
Barton	11,658	68	5.8	Howard	10,168	54	5.3
Bates	16,105	107	6.6	Howell	39,975	320	8.0
Benton	19,908	89	4.5	Iron	9,408	72	7.7
Bollinger	10,556	63	6.0	Jackson	716,862	5,161	7.2
Boone	185,840	914	4.9	Jasper	123,155	898	7.3
Buchanan	83,853	543	6.5	Jefferson	227,771	1,144	5.0
Butler	42,101	291	6.9	Johnson	54,150	403	7.4
Caldwell	8,897	45	5.1	Knox	3,808	25	6.6
Callaway	44,638	216	4.8	Laclede	36,133	277	7.7
Camden	43,436	317	7.3	Lafayette	32,817	195	5.9
Cape Girardeau	82,113	534	6.5	Lawrence	38,321	259	6.8
Carroll	8,376	45	5.4	Lewis	10,000	41	4.1
Carter	5,320	43	8.1	Lincoln	61,586	345	5.6
Cass	109,638	616	5.6	Linn	11,843	57	4.8
Cedar	14,496	70	4.8	Livingston	14,755	99	6.7
Chariton	7,356	43	5.8	Macon	15,183	84	5.5
Christian	91,499	578	6.3	Madison	12,652	86	6.8
Clark	6,736	52	7.7	Maries	8,406	58	6.9
Clay	255,518	1,356	5.3	Marion	28,518	206	7.2
Clinton	21,287	128	6.0	McDonald	23,383	169	7.2
Cole	77,205	591	7.7	Mercer	3,488	27	7.7
Cooper	17,115	112	6.5	Miller	24,909	146	5.9
Crawford	22,807	153	6.7	Mississippi	12,538	88	7.0
Dade	7,599	21	2.8	Moniteau	15,484	71	4.6
Dallas	17,341	85	4.9	Monroe	8,712	35	4.0
Daviess	8,399	52	6.2	Montgomery	11,415	56	4.9
DeKalb	11,098	49	4.4	Morgan	21,379	135	6.3
Dent	14,432	138	9.6	New Madrid	16,035	69	4.3
Douglas	11,732	68	5.8	Newton	59,386	318	5.4
Dunklin	27,717	169	6.1	Nodaway	21,160	122	5.8
Franklin	105,231	709	6.7	Oregon	8,631	44	5.1
Gasconade	14,791	96	6.5	Osage	13,379	71	5.3
Gentry	6,173	29	4.7	Ozark	8,782	52	5.9

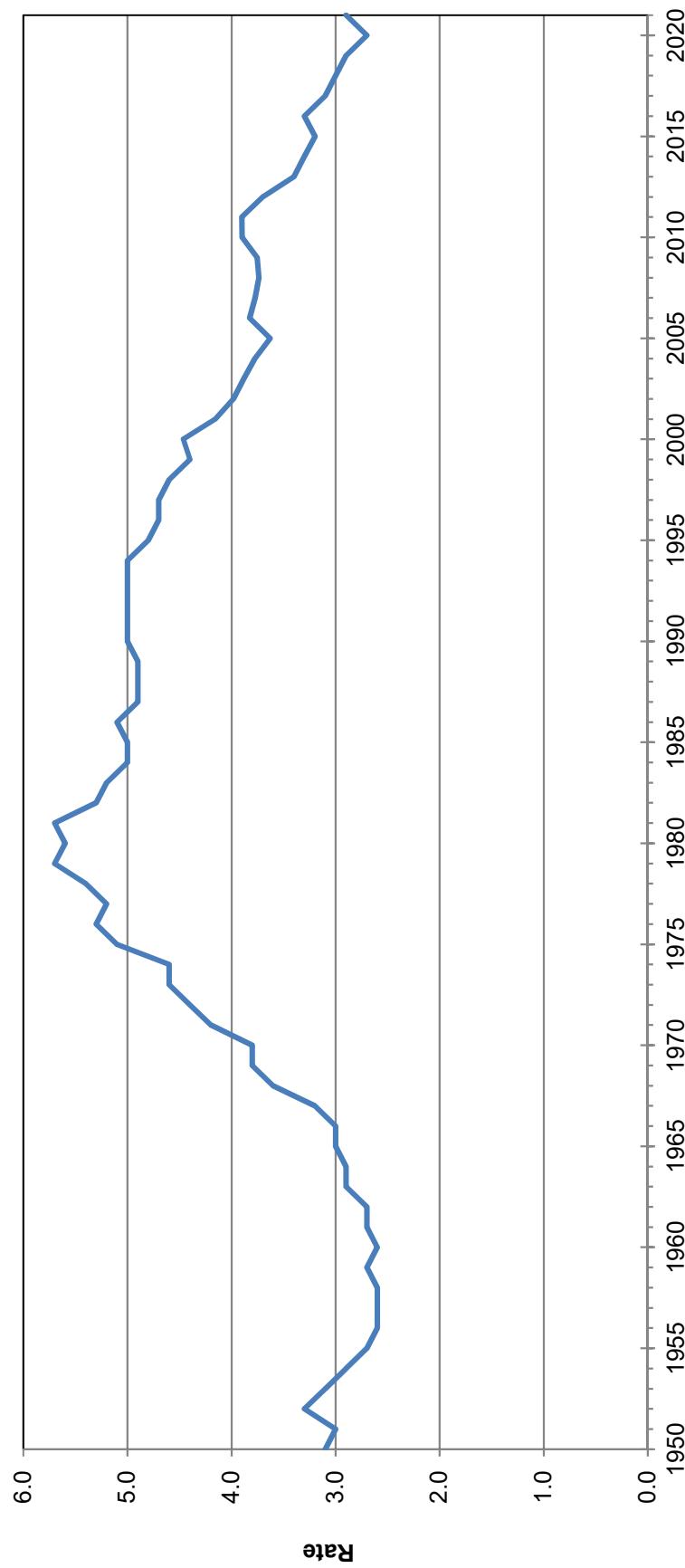
Table 35B. Reported Marriages by Gender and County of Recording: Missouri, 2021

Counties	Male-Female	Female-Female	Male-Male	Not Stated
State Total	35,978	780	372	124
Adair	127	3	1	1
Andrew	94	4	0	0
Atchison	27	0	0	0
Audrain	133	1	0	2
Barry	176	1	0	0
Barton	67	1	0	0
Bates	103	3	1	0
Benton	88	1	0	0
Bollinger	63	0	0	0
Boone	883	24	7	0
Buchanan	527	8	8	0
Butler	281	8	2	0
Caldwell	44	1	0	0
Callaway	210	5	1	0
Camden	314	2	1	0
Cape Girardeau	522	10	2	0
Carroll	43	1	1	0
Carter	41	2	0	0
Cass	602	10	4	0
Cedar	69	0	1	0
Chariton	43	0	0	0
Christian	569	7	2	0
Clark	52	0	0	0
Clay	1,321	25	10	0
Clinton	124	3	1	0
Cole	575	11	5	0
Cooper	108	1	1	2
Crawford	150	3	0	0
Dade	6	0	0	15
Dallas	84	1	0	0
Daviess	50	1	1	0
DeKalb	49	0	0	0
Dent	131	7	0	0
Douglas	67	1	0	0
Dunklin	168	0	1	0
Franklin	694	15	0	0
Gasconade	96	0	0	0
Gentry	27	2	0	0
121				
Counties	Male-Female	Female-Female	Male-Male	Not Stated
Greene	2,079	61	26	0
Grundy	60	0	1	0
Harrison	22	0	0	32
Henry	164	2	0	0
Hickory	44	0	1	0
Holt	19	0	1	5
Howard	53	1	0	0
Howell	316	2	2	0
Iron	64	3	2	3
Jackson	4,920	152	89	0
Jasper	870	18	10	0
Jefferson	1,117	20	7	0
Johnson	386	9	8	0
Knox	24	1	0	0
Laclede	273	4	0	0
Lafayette	187	6	2	0
Lawrence	250	2	1	6
Lewis	39	2	0	0
Lincoln	338	4	3	0
Linn	55	1	1	0
Livingston	99	0	0	0
Macon	83	1	0	0
Madison	86	0	0	0
Maries	56	2	0	0
Marion	202	2	2	0
McDonald	159	7	3	0
Mercer	27	0	0	0
Miller	143	1	2	0
Mississippi	84	1	3	0
Moniteau	70	1	0	0
Monroe	33	0	1	1
Montgomery	55	1	0	0
Morgan	131	1	2	1
New Madrid	69	0	0	0
Newton	312	5	1	0
Nodaway	118	3	1	0
Oregon	44	0	0	0
Osage	71	0	0	0
Ozark	16	1	0	35

Table 35C. Reported Marriages by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2021

BRFSS Region	Population	Total	Rate	Male-Female	Rate	Same-Sex	Rate
State Total	6,168,187	37,254	6.0	35,978	5.8	1,152	0.2
Northeast	246,815	1,419	5.7	1,392	5.6	24	0.1
Northwest	230,818	1,453	6.3	1,366	5.9	48	0.2
Central	729,155	4,607	6.3	4,495	6.2	105	0.1
Southeast	552,487	3,659	6.6	3,541	6.4	80	0.1
Southwest	961,820	6,702	7.0	6,510	6.8	170	0.2
St. Louis Region	2,154,391	11,028	5.1	10,616	4.9	397	0.2
Kansas City Region	1,292,701	8,386	6.5	8,058	6.2	328	0.3
Urban	4,122,752	23,916	5.8	23,016	5.6	885	0.2
Rural	2,045,435	13,338	6.5	12,962	6.3	267	0.1

Graph G. Dissolution Rates per 1,000 Population: Missouri, 1950-2021



Year	Dissolutions	Rate	Year	Dissolutions	Rate	Year	Dissolutions	Rate
1950	12,177	3.1	1985	24,990	5.0	2015	19,330	3.2
1955	11,351	2.7	1990	25,701	5.0	2016	19,997	3.3
1960	11,320	2.6	1995	25,733	4.8	2017	19,187	3.1
1965	13,261	3.0	2000	24,980	4.5	2018	18,630	3.0
1970	17,852	3.8	2005	21,013	3.6	2019	17,740	2.9
1975	24,527	5.1	2010	23,349	3.9	2020	16,406	2.7
1980	27,595	5.6	2014	19,877	3.3	2021	18,107	2.9

Table 36. Reported Marriage Dissolution Decrees by Month and by Type of Decree: Missouri, 2021

	Total Decrees	Dissolutions	Legal Separations	Annulments
State Total	18,215	18,073	108	34
January	1,270	1,267	3	0
February	1,176	1,167	6	3
March	1,718	1,701	15	2
April	1,640	1,630	8	2
May	1,675	1,667	6	2
June	1,785	1,768	13	4
July	1,524	1,514	8	2
August	1,478	1,463	11	4
September	1,512	1,496	11	5
October	1,533	1,515	13	5
November	1,339	1,333	4	2
December	1,565	1,552	10	3

Table 37. Reported Dissolutions and Annulments of Marriage by Number of Previous Marriages: Missouri, 2021

Husband	Total	Wife				
		None	One	Two	Three	Four
Total	18,107	10,744	3,686	1,096	334	114
None	10,808	8,910	1,459	280	68	12
One	3,642	1,412	1,515	453	123	50
Two	1,124	294	454	245	70	24
Three	300	55	125	65	37	5
Four	97	11	31	17	19	17
Five Or More	42	4	8	13	9	2
Unknown	2,094	58	94	23	8	4

Currently, the dissolution and annulment data do not include a variable for gender. To remain consistent with previous years, the terminology of "Husband" and "Wife" will remain until a gender variable is added to the data.

Table 38. Reported Dissolutions and Annulments of Marriage by Duration of Marriage and Number of Children Affected: Missouri, 2021

Duration	Total	No Children	Children Affected					
			One	Two	Three	Four	Five	Six Or More
Total	18,107	9,819	3,525	3,128	1,192	303	64	34
Under 1 Year	408	355	27	11	7	6	1	0
1 Year	859	691	121	33	10	2	0	1
2 Years	1,096	797	197	75	21	3	1	1
3 Years	1,216	793	259	116	33	9	3	1
4 Years	1,222	725	274	168	41	9	2	1
5 Years	1,174	652	263	198	46	9	2	0
6 Years	995	509	234	186	48	9	4	1
7 Years	906	422	223	180	66	12	1	0
8-9 Years	1,741	716	395	427	155	37	7	3
10-12 Years	1,919	715	395	503	215	70	14	5
13-15 Years	1,553	510	311	459	202	51	11	6
16-19 Years	1,529	543	313	396	208	49	12	7
20-24 Years	1,411	691	305	266	102	29	6	5
25-29 Years	806	603	129	52	16	2	0	4
30-34 Years	487	443	31	8	3	0	0	2
35-39 Years	237	226	5	5	1	0	0	0
40 Years and	230	220	5	2	1	2	0	0
Unknown	318	208	38	43	17	4	0	3

Currently, the dissolution and annulment data do not include a variable for gender. To remain consistent with previous years, the terminology of "Husband" and "Wife" will remain until a gender variable is added to the data.

Table 39. Reported Dissolutions and Annulments of Marriage by Race of Wife by Race of Husband: Missouri, 2021

<u>Wife</u>	<u>Total</u>	<u>White</u>	<u>Black</u>	<u>Other</u>	<u>Husband</u>
Total	18,107	13,329	1,716	354	2,708
White	13,515	12,814	347	135	219
Black	1,434	111	1,270	10	43
Other	430	187	36	200	7
Unknown	2,728	217	63	9	2,439

Table 40. Reported Dissolutions and Annulments of Marriage by Petitioner by Disposition of Children and by Child Support Awarded: Missouri, 2021

<u>Petitioner</u>	<u>Total</u>	<u>Husband</u>	<u>Wife</u>	<u>Custody Given To:</u>		
				<u>Joint</u>	<u>Other</u>	<u>No Children</u>
Total	18,107	335	1,660	5,893	139	10,069
Husband	6,582	294	213	2,145	69	3,857
Wife	10,767	38	1,391	3,530	65	5,737
Joint	344	3	22	128	1	190
Other	29	0	3	10	1	15
Unknown	385	0	31	80	3	270

<u>Petitioner</u>	<u>Total</u>	<u>Husband</u>	<u>Wife</u>	<u>Child Support Awarded To:</u>		
				<u>No Support</u>	<u>Other</u>	<u>No Children</u>
Total	18,107	338	4,097	3,515	22	10,069
Husband	6,582	222	1,158	1,315	6	3,857
Wife	10,767	108	2,808	2,061	14	5,737
Joint	344	5	64	82	1	190
Other	29	1	7	5	1	15
Unknown	385	2	60	52	0	270

Table 41. Reported Dissolutions and Annulments of Marriage by Age of Wife by Age of Husband: Missouri, 2021

<u>Age of Wife</u>	<u>Total</u>	<u>Age of Husband</u>									
		Less Than 20	20-24	25-29	30-34	35-39	40-44	45-54	55-64	65 +	Unknown
Total	18,107	5	543	1,662	2,565	2,838	2,815	4,136	2,271	934	338
Less Than 20	27	3	21	1	0	1	0	0	0	0	0
20-24	806	1	384	308	65	24	8	10	1	0	5
25-29	2,236	0	90	1,036	765	196	68	38	10	3	30
30-34	2,858	0	21	199	1,247	895	290	129	24	3	50
35-39	3,026	0	7	56	319	1,213	905	402	63	8	53
40-44	2,591	0	2	22	80	321	1,085	915	120	17	29
45-54	3,682	1	1	7	35	106	376	2,240	765	109	42
55-64	1,777	0	1	1	5	22	29	281	1,086	331	21
65 +	643	0	1	0	3	2	1	21	157	445	13
Unknown	461	0	15	32	45	59	52	100	45	18	95

Table 42A. Reported Dissolutions and Annulments by County of Recording with Rates per 1,000 Population: Missouri, 2021

Counties	Population	Decrees	Rate	Counties	Population	Decrees	Rate	Counties	Population	Decrees	Rate
State Total	6,168,187	18,107	2.9	Greene	300,865	1,119	3.7	15,236	37	2.4	
Adair	25,185	58	2.3	Grundy	9,720	31	3.2	18,922	53	2.8	
Andrew	18,002	109	6.1	Harrison	8,164	30	3.7	43,188	210	4.9	
Atchison	5,234	19	3.6	Henry	22,206	72	3.2	44,937	125	2.8	
Audrain	24,982	79	3.2	Hickory	8,607	21	2.4	17,761	60	3.4	
Barry	34,712	59	1.7	Holt	4,226	6	1.4	108,569	333	3.1	
Barton	11,658	40	3.4	Howard	10,168	38	3.7	32,043	114	3.6	
Bates	16,105	64	4.0	Howell	39,975	216	5.4	53,816	291	5.4	
Benton	19,908	66	3.3	Iron	9,408	43	4.6	Putnam	4,712	13	2.8
Bollinger	10,556	45	4.3	Jackson	716,862	1,525	2.1	Ralls	10,361	44	4.2
Boone	185,840	488	2.6	Jasper	123,155	523	4.2	Randolph	24,760	77	3.1
Buchanan	83,853	184	2.2	Jefferson	227,771	502	2.2	Ray	23,008	67	2.9
Butler	42,101	232	5.5	Johnson	54,150	182	3.4	Reynolds	6,087	11	1.8
Caldwell	8,897	19	2.1	Knox	3,808	13	3.4	Ripley	10,617	71	6.7
Callaway	44,638	126	2.8	Laclede	36,133	149	4.1	Saline	23,289	62	2.7
Camden	43,436	160	3.7	Lafayette	32,817	107	3.3	Schuylerville	4,025	13	3.2
Cape Girardeau	82,113	333	4.1	Lawrence	38,321	110	2.9	Scotland	4,693	12	2.6
Carroll	8,376	37	4.4	Lewis	10,000	22	2.2	Scott	37,840	154	4.1
Carter	5,320	18	3.4	Lincoln	61,586	190	3.1	Shannon	7,106	26	3.7
Cass	109,638	359	3.3	Linn	11,843	31	2.6	Shelby	5,976	27	4.5
Cedar	14,496	56	3.9	Livingston	14,755	64	4.3	St. Charles	409,981	1,211	3.0
Chariton	7,356	17	2.3	Macon	15,183	48	3.2	St. Clair	9,376	33	3.5
Christian	91,499	284	3.1	Madison	12,652	69	5.5	St. Francois	67,541	291	4.3
Clark	6,736	26	3.9	Maries	8,406	22	2.6	St. Louis City	293,310	583	2.0
Clay	255,518	838	3.3	Marion	28,518	100	3.5	St. Louis County	997,187	2,022	2.0
Clinton	21,287	52	2.4	McDonald	23,383	73	3.1	Ste. Genevieve	18,588	51	2.7
Cole	77,205	219	2.8	Mercer	3,488	2	0.6	Stoddard	28,479	146	5.1
Cooper	17,115	39	2.3	Miller	24,909	93	3.7	Stone	31,548	107	3.4
Crawford	22,807	85	3.7	Mississippi	12,538	52	4.1	Sullivan	5,934	20	3.4
Dade	7,599	19	2.5	Moniteau	15,484	51	3.3	Taney	56,387	225	4.0
Dallas	17,341	62	3.6	Monroe	8,712	21	2.4	Texas	24,987	82	3.3
Davies	8,399	21	2.5	Montgomery	11,415	34	3.0	Vernon	19,595	64	3.3
DeKalb	11,098	37	3.3	Morgan	21,379	65	3.0	Warren	36,518	108	3.0
Dent	14,432	80	5.5	New Madrid	16,035	60	3.7	Washington	23,502	99	4.2
Douglas	11,732	49	4.2	Newton	59,386	203	3.4	Wayne	10,914	52	4.8
Dunklin	27,717	146	5.3	Nodaway	21,160	61	2.9	Webster	39,735	115	2.9
Franklin	105,231	337	3.2	Oregon	8,631	32	3.7	Worth	1,983	7	3.5
Gasconade	14,791	33	2.2	Osage	13,379	37	2.8	Wright	18,610	86	4.6
Gentry	6,173	72	11.7	Ozark	8,782	21	2.4				

Table 42B. Reported Dissolutions and Annulments by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2021

BRFSS Region	Population	Decrees Recorded	Rate
Total	6,168,187	18,107	2.9
Northeast	246,815	761	3.1
Northwest	230,818	765	3.3
Central	729,155	2,438	3.3
Southeast	552,487	2,376	4.3
Southwest	961,820	3,365	3.5
St. Louis Region	2,154,391	5,038	2.3
Kansas City Region	1,292,701	3,364	2.6
Urban	4,122,752	10,726	2.6
Rural	2,045,435	7,381	3.6

APPENDIX

On January 1, 2010, the Missouri Department of Health and Senior Services (MDHSS) implemented two significant changes relating to the tabulation of statistical data on vital events in Missouri. MDHSS launched a web-based registration system and began registering births and deaths using the 2003 Revision of the US Standard Certificates of Live Births and Deaths. The web-based registration system collected some existing data items in different ways. The revised certificates stopped collecting some data items, included new data items, and collected old information in new ways. As a result, differences in tabulations since 2010 may be the result of changes in data collection methods rather than changes in health status. Major changes in data collection methods are addressed in this appendix. Differences between 2021 tabulations and pre-2010 tabulations should be evaluated with these changes in mind.

RELIABILITY OF THE DATA

In analyzing any data including vital statistics, the potential for error in the data must not be overlooked. There are several types of errors possible including: under-registration, errors made by the informant, and errors in compiling and processing.

The most potentially dangerous error is that of improper interpretation. Statistics are neither more true nor false than the interpretation given to them. Particular caution must be used in analyzing trend data, because changes have occurred over the years in medical diagnosis, coding definitions, and registration methodology.

Care should be taken in using rates where the number of events or reference population is small. Minor differences in the number of events may result in major changes in the rates. Rates based on fewer than 20 events are very unstable. Most of the rates computed for this report are crude rates. In comparing rates for geographic areas and time periods, crude rates are limited because they do not take into account the differences in age, sex, race, and other population characteristics.

SOURCES OF VITAL RECORDS

Vital statistics in Missouri are compiled from six basic records which are filed with MDHSS by state law. These records are: live birth records, death records, and fetal death records, each beginning in 1911; marriage and divorce records, beginning in 1949; and abortion records, beginning in 1975.

Missouri cooperates with other states in the exchange of records for live births, fetal deaths, deaths, and abortions, including events occurring to Missouri residents in other states. However, MDHSS has not received individual abortion records from Illinois since 1983 and did not receive records from Tennessee clinics from 1997 to 2005. Instead, MDHSS received estimates of Missouri resident abortions from some Tennessee clinics from 1997 to 2005, and an estimate of Missouri resident abortions was received from Illinois for 1988-2021. MDHSS also received abortion counts of Missouri resident abortions from Arkansas in 2014-2017 and from Oklahoma in 2019-2021. These estimates and counts are included in Graph D.

There is no interstate exchange of records for marriages, dissolutions, and annulments. Tables using these data files (Tables 31 through 42) report events that occurred in Missouri, by county of occurrence, regardless of the residence of the parties involved.

The data within this report represent the 2021 calendar year of events. Live births were accepted through February 22, 2022, death, fetal death, and abortion records through April 15, 2022, dissolutions through June 28, 2022 and marriages through November 2, 2022.

Except where noted, historical vital statistics data are taken from annual MDHSS vital statistics reports.

POPULATION

All Missouri county and city population estimates for 2021 were developed by the United States Census Bureau (Vintage 2021) that adjust for 2020 Census data. Counts for all other decennial years were taken from the United States Census Bureau for those years. Age-sex-specific estimates and counts were also taken from the Census Bureau with the exception of the Less than Age One population, which used the number of that year's resident live births. Cities in the over 25,000, 10,000 to 24,999 and 2,500-9,999 population categories in tables 16 and 17 were revised based on the 2020 Census Counts.

The source of the state total estimates for non-Census years 1911-1969 is the US Census Bureau P-25 series. State estimates for 1971-1979 were obtained from the US Census Bureau publication, "Preliminary Intercensal Estimates of the Population of Counties." Age-sex-specific population estimates for 1981 - 1989 were developed by the US Census Bureau in unpublished tables. State population estimates for 1991-1999 and 2001-2009 also came from the US Census Bureau. MDHSS used these as controls in developing 1991-1999 age-sex-specific population estimates for Missouri. Estimates of the 2001-2009 age-sex-specific state population were adjusted to the 2010 counts and provided by the US Census Bureau (published October 2012). State total population estimates for 2011-2019 came from the US Census Bureau (Vintage 2020). They have not been adjusted to the 2020 Census.

RACE and HISPANIC ORIGIN (ETHNICITY)

Since the 1989 report, birth, fetal death, and infant death data have been presented by race of mother. Before 1989, this data was presented by race of child. The change in 1989 was implemented to be consistent with the National Center for Health Statistics (NCHS), which also implemented this change in 1989. Race of child had been computed by an algorithm based on the race of mother and race of father. Persons of mixed parentage were classified according to the race of the nonwhite parent. Because of this rather arbitrary formula and the increasing proportion of out-of-wedlock births in which father's race is missing, NCHS decided to implement this change to race of mother.

Beginning with the 2010 vital statistics report, tabulations of race for live births, deaths, and abortions refer to four mutually-exclusive groups that take into account Hispanic origin. The groups are "white, non-Hispanic"; "black, non-Hispanic"; "other/multiple race, non-Hispanic"; and "Hispanic, all races". For tabulations prior to 2010, "race" refers to the classification of the population into three distinct groups: white, black, and other. Before 2010, persons of Latin American birth or ancestry who were not identified as being American Indian or other designated race were classified as white.

The 2010 methodology was changed to be consistent with changes in population data from the decennial US Census, the 2003 US Standard certificates for live births and deaths, and the 2003 US Standard Report of Fetal Death. Prior to 2010, only one race could be selected. "Multiple race" was available as a primary selection, but no details were captured. Beginning with 2010 birth and death data, more than one race can be selected. Analysis of 2021 Missouri resident data showed that 3.6 percent of births were to mothers of multiple races and 0.5 percent of deaths were to multiple race decedents. Therefore, records of mothers and decedents which indicate only white or only black as their race, and do not indicate Hispanic origin, are classified in this report as white,

non-Hispanic, or black, non-Hispanic, respectively. The "other/multiple, non-Hispanic" race group now includes persons selecting multiple races as well as persons identified as American Indian or Alaska Native (AIAN), Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian, Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander, or other specified race, but not of Hispanic origin. Persons of unknown race are not included in "other/multiple," but are included in the total of all races.

Appendix Table A shows the effects of the changes in race and Hispanic origin classification on low birth weight rates using 2021 resident live births. The number of white, non-Hispanic and black, non-Hispanic births using the 2010 method were both reduced from the White and Black totals using the pre-2010 method, as the Hispanic births and births involving multiple races have been removed. White, non-Hispanic births (2010 method) were 7.0 percent less than white births (pre-2010 method). The 2010 method resulted in about 10.8 percent fewer black, non-Hispanic births than black births using the pre-2010 method. The low birth weight rate for white, non-Hispanics of 7.5 percent was the same as the white rate. The low birth weight rate for black, non-Hispanics was 16.3 percent compared to 15.7 percent for black births using the pre-2010 method. The overall black to white ratio for low birth weight was 2.08 using the pre-2010 method compared with 2.18 using the new 2010 method.

Appendix Table A
Effects of Changes in Racial Classification Methods on 2021 Low Birth Weight
(less than 5.5 lbs) Rates by Race

Pre-2010 Definition (single race* selected)

<u>Mother's Race</u>	<u>Live Births</u>	<u>LBW</u>	<u>LBW Rate</u>	<u>Black/White Ratio</u>
White	54,274	4,088	7.5	
Black	10,646	1,668	15.7	2.08
Other and Multiple	3,937	361	9.2	
Unknown race	412	41	10.0	
Total	69,269	6,158	8.9	

2010 Definition (multiple races and Hispanic origin included)**

<u>Mother's Race</u>	<u>Live Births</u>	<u>LBW</u>	<u>LBW Rate</u>	<u>Black/White Ratio</u>
White, Non-Hispanic	50,468	3,763	7.5	
Black, Non-Hispanic	9,494	1,542	16.3	2.18
Hispanic, any Race	4,593	378	8.2	
Other and Multiple	4,582	456	10.0	
Unknown race	132	19	14.4	
Total (includes unknown race)	69,269	6,158	8.9	

* Single-race method includes Hispanic mothers in White, Black and Other/Multiple classifications.

**Multiple-race method excludes Hispanic mothers from White, Black and Other/Multiple classifications.

Users of the MDHSS MOPHIMS/MICA query tools

(<https://healthapps.dhss.mo.gov/MoPhims/MICAHome>) should note that the above changes are not reflected in the Birth and Death MICA queries for 2010 and beyond. Instead, an algorithm from NCHS is used to make race-specific statistics from both multiple-race and single-race data collection systems that are sufficiently comparable to permit analysis. Hispanic origin was maintained as a separate category of analysis in the Birth and Death MICAs. This was done to keep analyses as consistent with the prior years of data as possible. (Filtering of Hispanic origin for data queries is still supported.)

As a result, small differences will be found between statistics calculated by MICA and statistics in this report. The changes in racial classification tended to have a greater effect on the “other/multiple race, non-Hispanic” category as the low birth weight rate for this group increased from 9.2 percent using the single-race method to 10.0 percent using the multiple-race method. The birth denominator count for this classification was similar using both methods, but the individual mothers within each group were very different. The single-race method includes a large proportion of Hispanics as “other/multiple race”, while the multiple-race method includes mothers with multiple declared races instead. (See Appendix Table A above.)

"RESIDENT" AND "RECORDED" EVENTS

It is important to understand the significance of the terms "Resident" and "Recorded" when analyzing vital statistics.

"Resident" data for vital events pertain to persons residing in a particular area, independent of where the event occurred. An exception to this is that when a person dies in a hospital, nursing home, or other institution, the usual place of residence before admission determines the place of residence. In the case of live births, fetal deaths, and infant deaths, the residence of the mother is considered to be the residence of the child. "Recorded" data for vital events are based on where the event occurred. Analysis using recorded data may include records of non-Missouri residents.

Resident and recorded figures are independent of each other and should neither be added to nor subtracted from the other. Thus, the number of events occurring or not occurring in the same geographic area where the people reside cannot be simply calculated from resident and recorded data. Each table indicates whether the analysis is for resident or recorded data.

GEOCODING

Beginning with 2008 data, MDHSS uses a computerized geocoding package (Address Broker) to improve the accuracy of residence address information on Missouri resident birth and death records for the entire state. If the record's address, including resident county, city, and zip code, matches well with available address data, the software overwrites the existing values on the record and also adds latitude, longitude, and Census tract. If no match is available or the best match is not accurate enough, address information is left as reported, and latitude, longitude, and Census tract are not added. From 2000 through 2007, only the following metropolitan counties were geocoded: Buchanan, Cass, Clay, Greene, Jackson, Jefferson, Platte, Ray, St. Charles, St. Louis County, and St. Louis City.

REGIONS

Beginning with the 2010 report, Missouri Regional Planning Commission areas were replaced with Behavioral Risk Factor Surveillance System (BRFSS) regions. This change was made to support and enhance MDHSS BRFSS survey data. More information on BRFSS, along with public access data, can be found at: <https://health.mo.gov/data/brfss/index.php>. A map of the BRFSS region boundaries is included in this report on page vi.

URBAN vs. RURAL COUNTIES

Tables displaying BRFSS region data also include urban and rural groupings. These groupings cut across BRFSS regions so that a subset of all BRFSS regions is not equivalent to the urban and rural groupings. In 2021 the urban and rural groupings changed from the Metro/Non-metro groupings used in previous reports to be more consistent with the Health in Rural Missouri Biennial Report produced by the Office of Rural Health and Primary Care found at [biennial2020.pdf \(mo.gov\)](https://www.mo.gov/health/2020-biennial-report.pdf). That report defines a rural county as less than 150 people per square mile and does not contain any part of a central city in a Metropolitan Statistical Area. Another advantage of this definition is that counties are less likely to drop in and out of the defined areas from year to year. The urban counties are Boone, Buchanan, Cape Girardeau, Cass, Christian, Clay, Cole, Greene, Jackson, Jasper, Jefferson, Newton, Platte, St. Charles, St. Louis, as well as St. Louis City. The 99 other counties are defined as rural. A map of urban and rural regions is included in this report on page vi.

UNKNOWNs AND IMPUTED DATA

Records of Missouri residents with unknown county of residence are included in the state totals of this publication. In general, state totals always include records with variables that have any unknown values. The number of 2021 records with unknown county of residence by system is as follows:

Live Births.....	0
Fetal Deaths	0
Deaths.....	0
Abortions	3

To account for unknown data items and inconsistencies in reporting to MDHSS, the following imputations and data interpretations were made in this report:

- Unknown sex is considered male.
- Unknown county of mother's or decedent's residence is replaced with the county of recording when the recording occurs in Missouri.
- Unknown marital status is considered not married, out-of-wedlock. (Prior to 2010, unknown marital status was considered married.)
- Unknown live birth order is considered 1st.
- Unknown number born is considered singleton.
- Maternal age greater than or equal to age 65 is considered unknown.
- Unknown month of last live birth is considered June.
- Unknown day of last live birth is considered 15th.
- Unknown average amount smoked for any trimester or for the three months prior to pregnancy is considered unknown maternal smoking status.
- Prepregnancy weight less than 50 pounds or greater than 400 pounds is considered unknown prepregnancy weight. Postpregnancy weight less than 50 pounds or greater than 450 pounds is considered unknown postpregnancy weight.
- Negative weight gain during pregnancy (weight loss) is considered 0 pounds gained.

INDICATORS CHANGED OR REMOVED FROM THIS REPORT

The following indicators appeared in prior editions of this report but were changed as noted or removed beginning with the 2010 report:

- Maternal Drinking During Pregnancy: Data item was removed by NCHS from the 2003 revision of the US Standard Birth Certificate. Self-reporting by mothers on this data item was found to be poor at best.
- Maternal Smoking During Pregnancy (Table 10): Smoking during any trimester of pregnancy. Data item was revised by NCHS on the 2003 revision of the US Standard Birth Certificate to provide opportunity to analyze the patterns of maternal smoking. (See "Enhanced Data on Maternal Smoking (Table 5A, Table 10)" for details.)
- Years at Present Address: Data item was removed from certificate by MDHSS to make room for other items.
- Maternal Transfers: Due to the low number of events in recent years, this indicator was removed.

- Crown Heel Length: Data item was removed by MDHSS due to poor reporting and lack of reliability.
- Birth Spacing Less Than 18 Months (Table 10): The full date of last live birth is now collected instead of only month and year. As a result, births that took place more than 17 months but less than 18 months after the last live birth are now counted. This is a factor contributing to the increase in the rate for this indicator since 2009.
- Obstetric and Pediatric Conditions and Procedures, Congenital Anomalies and Abnormal Conditions of Newborn (Table 5B): See “Medical Information on Birth Records” below for a detailed description of changes made to these indicators.
- Live Birth Order (Table 6, Table 7, and Table 10): Definition changed to include all prior live births, regardless of current vital status. As such, Live Birth Order of 1st identifies “first-time” mothers. Prior to the 2010 report, Live Birth Order only counted prior live births currently living.
- Mother more than 15% Underweight, Mother more than 20% Overweight: Indicators have been replaced with the BMI-based Underweight and Obese indicators (Table 10).
- Prenatal Care and Inadequate Prenatal Care (Table 10): Beginning in 2010 the complete date of first prenatal visit is collected, affecting the beginning trimester of Prenatal Care and the rates of inadequate prenatal care. (See “Date of First Prenatal Visit and Adequacy of Prenatal Care (Table 10)” for details.)
- Mother on Medicaid and WIC: Removed from the 2010 report due to the high correlation between the Mother on Medicaid and Mother on WIC indicators.
- Recorded Births and Deaths by Cities with 2,500 to 24,999 Population: These listings were removed due to the extreme influence local health care capacity has on where these events occur.
- Causes of Death, Groupings of Causes of Death, and Rankable Causes of Death (Tables 18-19, Table 21, Table 23, and Table 26): Changes made by MDHSS (See “Cause of Death Classification and Rankable Causes of Death” below for details.).
- Cause of Accidental Death (Table 27): Definition of public transportation accidental death in car or truck changed because of no longer updating motor vehicle accidental deaths with added information from the Highway Patrol beginning in 2010. This resulted in less specific ICD-10 codes and the need to expand the codes for car and truck accidents and reduce the codes for Public Transport: Other/Unspecified. (See “Accidental Death Table (Table 27)” below for details.).

RATES

Rates are calculated by dividing the number of events of concern by the population at risk or a related population and multiplying by a constant. Live birth, death, natural increase, marriage, and dissolution rates are expressed in terms of 1,000 estimated mid-year population. Cause-specific death rates are expressed in terms of 100,000 population. Infant, perinatal, fetal, neonatal, and post-neonatal death rates are stated per 1,000 live births (Tables 22-25). (See “Population” above for more details.)

Rates per 100 (percentages) are used for most prenatal and birth outcome indicators (Tables 7-10), such as inadequate prenatal care and low birth weight births, where the denominator is based on the number of live births. When the rate being calculated is a percent, events for which the value of interest is unknown are excluded from the calculation. Hence, percentages in this report are the percent of events for which the value is known, not the percentage of all potential events.

FORMULAE FOR VARIOUS RATE INDICATORS

Total Fertility Rate (Graph B) is the average number of live births a woman would have if a given set of age-specific birth rates applied throughout her reproductive years.

General Fertility Rate (Table 3) is the total number of live births per 1,000 women aged 15-44 for a given year.

Age-Specific Fertility Rate (Table 3) is the number of live births born to mothers of a given age per 1,000 females of that age group for a given year.

Abortion Ratio (Table 14) is the comparison of the total number of abortions to the total number of live births for a given year, and then multiplied by 1,000.

$$\text{Abortion Ratio} = \frac{\text{Number of abortions during year}}{\text{Live births for that year}} \times 1,000$$

Crude Death Rate is defined as the total number of deaths of area residents for the year divided by the appropriate population (usually midyear population estimate) of the area, then multiplied by some constant. The constants used in this report are 100,000 for cause-specific rates and deaths for all causes (Tables 18 and 26A) and 1,000 for death rates in all other tables and graphs.

$$\text{Crude death rate} = \frac{\text{Number of deaths during year}}{\text{Midyear population for that year}} \times 1,000 \text{ or } 100,000$$

Age-Specific Death Rate (Tables 4 and 20) is calculated in the same manner as the crude death rate except that both the number of deaths and the population used are restricted to a given age group.

$$\text{Age-specific death rate for a given age group} = \frac{\text{Number of deaths in that age group during year}}{\text{Population in that age group for that year}} \times 1,000$$

The **Age-Adjusted Death Rate** (Tables 18A, 26A) is a weighted average of age-specific death rates. Comparison of areas or time periods using crude death rates can often be misleading, since these rates are affected by the age composition of the population. For example, a county may have a high crude death rate simply because it has an older population. To control for differences in age composition, age-specific rates can be weighted (normalized) according to a standard population. Such a calculation produces an age-adjusted rate.

The age-adjusted rates shown in this report are calculated by the direct method, using the following formula:

$$\text{Age-Adjusted Death Rate} = \sum_{A=01}^{A=11} (M_a \times \frac{P_a}{P})$$

where M_a = the age-specific rate for each given age group

P_a = the standard population in each given age group

P = the total standard population, and

\sum indicates that the results for the eleven age groups are summed.

The eleven age groups used for age adjustment are as follows: Under 1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85+.

This adjustment serves to control for differences in age compositions and makes comparisons between areas or time periods more appropriate. **It is important, however, not to compare age-adjusted death rates with rates adjusted to different standard populations or with unadjusted rates.**

This report uses the 2000 US population as the standard. In the 1991 to 1998 annual vital statistics reports, the 1940 US standard population was used. This makes comparisons of age-adjusted death rates with annual vital statistics reports before 1999 inappropriate. The standard population was changed to United States 2000 to be comparable with national age-adjusted death rates published by NCHS. The 1940 distribution was considered out-of-date at that time since it was representative of a younger population. For a more detailed discussion of this topic, see "Age Standardization of Death Rates: Implementation of the Year 2000 Standard." National Vital Statistics Reports, Vol. 47, No. 3 at: http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47_03.pdf

GESTATIONAL AGE CHANGE in 2014

Beginning in 2014, Missouri adopted a new standard for estimating gestational age as recommended by NCHS (see https://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_05.pdf). The new measure is the obstetric estimate of gestation at delivery, replacing the formerly-used method of calculating the period between the date of last normal menses (DLNM) and the date of birth. The new method is considered more accurate according to various studies documented in the NCHS article. This change primarily affects the rate of births less than 37 weeks gestation presented in Table 10. It tends to increase the gestational age and thus substantially reduce the rate of births less than 37 weeks. The change also has a relatively slight effect on other indicators that use gestational age, including inadequate prenatal care and weight gain during full-term pregnancy. See Appendix Table B for a comparison of these indicators using the two methods of estimating gestation for 2013-2021.

Appendix Table B
Resident Rates per 100 Live Births for Four Gestational Age Indicators,
Obstetric Estimate vs. Date of Last Normal Menses (DLNM): Missouri 2013-2021

	Less than 37 Weeks		Weight Gain < 15 lbs		Weight Gain 45 + lbs		Inadequate Prenatal Care	
	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM
2013	9.6	11.5	11.4	11.3	21.3	21.3	18.7	18.6
2014	9.8	11.9	11.6	11.5	21.6	21.6	20.2	20.0
2016	10.2	12.1	13.1	13.1	20.8	20.8	19.2	19.0
2018	10.7	12.5	14.1	14.0	21.0	21.0	21.0	20.8
2020	11.0	12.4	14.3	14.3	20.9	20.9	21.3	21.1
2021	11.3	12.7	15.2	15.2	21.1	21.0	19.1	19.0

MEDICAL INFORMATION ON BIRTH RECORDS

Table 5B presents selected risk factors, obstetric procedures, characteristics of labor and delivery, methods of delivery, presence of infections, maternal health concerns, abnormal conditions of the newborn, and congenital anomalies. Many of these indicators are collected from the birth certificate by means of a check-off box system. A study conducted by MDHSS supported the belief that check-off boxes increase reporting of these data items. Starting in 2010, revisions to the check-off boxes were implemented, and the following data items are no longer collected on the birth certificate:

- Maternal Risk Factors: anemia, cardiac disease, acute or chronic lung disease, genital herpes, hydramnios/oligohydramnios, hemoglobinopathy, incompetent cervix, previous live born infant weighing 4000+ grams at birth, renal disease, Rh sensitization, uterine bleeding
- Obstetric Procedures: amniocentesis, electronic fetal monitoring, ultrasound, chorionic villus sampling (CVS)
- Characteristics of Labor: abruptio placenta, placenta previa, other excessive bleeding, seizures during labor, dysfunctional labor, cephalopelvic disproportion, cord prolapse, anesthetic complications
- Abnormal Conditions of Newborn: anemia, fetal alcohol syndrome, hyaline membrane disease, meconium aspiration syndrome

MEDICAID STATUS OF BIRTHS (Table 5A, Table 10)

Another change on the 2003 revision of the US Standard Birth Certificate concerned the mother's participation in Medicaid. Prior to 2010, the birth certificate asked if the mother was on Medicaid at any time during the pregnancy. Even if the mother was not on Medicaid at the time of delivery, but had participated at some time in her pregnancy, the expected response to the question was "Yes." As of the 2010 report, Medicaid status is captured using a question about the principal payment source for the delivery. Medicaid is indicated only if the mother's delivery will be primarily paid for by Medicaid. As a result, Medicaid births will generally be fewer than in previous years.

ENHANCED DATA ON MATERNAL SMOKING (Table 5A, Table 10)

The 2003 revision of the US Standard Birth Certificate contains more detailed data on mothers' smoking habits during pregnancy than the previous certificate did. Before 2010, mothers were asked about the average number of cigarettes smoked daily during the entire pregnancy. As of 2010, information on maternal smoking is captured for each trimester of pregnancy and for the three-month period prior to becoming pregnant. This allows for targeted analysis and investigation into the impact of smoking on gestational development and birth outcomes. In addition, the previous data item allowed for a mother to answer yes to smoking status but leave the average amount smoked unknown. Starting with 2010 data, if the average amount smoked for any period of smoking is unknown, then the mother's smoking status is unknown. (See "Unknowns" above.) These changes resulted in an increase in maternal smoking during pregnancy.

DATE OF FIRST PRENATAL VISIT AND ADEQUACY OF PRENATAL CARE (Table 10)

Prior to 2010, only the ordinal month of the pregnancy (first month, second month, etc.) was reported to identify the beginning of prenatal care. The 2003 revision of the US Standard Birth Certificate collects the full date of the first prenatal visit. The ordinal month is then calculated based on the mother's date of last normal menses. Beginning with the 2010 report, this calculation provides results that are, on average, almost a month later in the pregnancy than previous results. This in turn results in inadequate prenatal care rates that are 50 percent higher than in prior years. The higher rates are probably more representative of the actual rate of inadequate prenatal care. In other words, the increase is likely an artifact of the less accurate reporting in the past of the month prenatal care began.

DEFINITIONS FOR 2010 AND LATER

APGAR – An assessment of the health of an infant taken at one minute and five minutes after birth.

For the 2003 revision of the US Standard Birth Certificate, the assessment is repeated at ten minutes if the score at five minutes was less than 6. Apgar scores range from 0 to 10 and are used internationally. Factors used to determine the score are: heart rate, respiratory effort, muscle tone, reflex irritability, and color. A score below 8 implies a moderately or severely depressed condition. The score used for this report is taken at five minutes after birth. The score assigned is completely at the discretion of the attending physician. As such, caution should be used in interpreting patterns of low scores by geographic area because of possible regional subjective bias. In addition, different medical personnel might assign different scores to the same child.

Attendant – Classification of the physician or other person in attendance at or immediately after delivery of the infant. MD: Medical Doctor; DO: Doctor of Osteopathy; CNM/CM: Certified Nurse Midwife or Certified Midwife; CPM (added in 2014): Certified Professional Midwife; Other Midwife: includes other non-certified midwives. Attendant is presented in Table 5A.

Birth Order – Number of previous pregnancy outcomes plus one. This differs from “live birth order” in that it includes other previous pregnancy outcomes besides live births such as abortions or miscarriages. It is used in Table 24.

Birth Spacing: Less than 18 months – Live births occurring to mothers who had a prior live birth within 18 months. The percent is of second and higher order births and the newborn is a singleton or is the first live birth in a multiple birth set. As of the 2010 report, the full date of the last live birth is collected, making it possible to identify prior births more than 17 months but less than 18 full months. This contributed to the percentage increase seen in 2010.

Breastfed After Delivery (Infant Care: Breastfed After Delivery) – Live births where the mother breastfed, or attempted to breastfeed, the baby prior to discharge from the birthing facility. This does not imply that breastfeeding was successful or that the mother intends to continue breastfeeding after discharge.

Complication Report (table 12C) -- Report completed by physicians performing post-abortion care upon a woman.

Fetal Death – Spontaneous death in utero at 20 or more completed weeks of gestation, or has a delivery weight of 350 grams or more.

FSP – Participation by mother in the Food Stamp Program during her pregnancy.

Full-term-Birth – A live birth with a gestational age of 37 or more weeks.

Gestational Age – The age of a fetus or baby in terms of the number of completed weeks spent in its mother's womb. (See GESTATIONAL AGE CHANGE in 2014 earlier in APPENDIX for more Information.)

High Weight Gain (Risk Factor) – A full-term singleton live birth to a mother who gained more than 44 pounds during pregnancy.

Inadequate Prenatal Care – Fewer than five prenatal care visits for pregnancies less than 37 weeks gestation, fewer than eight visits for pregnancies 37 or more weeks, or prenatal care began after the first four months of pregnancy. Before 1994 records with unknown month prenatal care began or unknown prenatal visits were excluded. Beginning in 1994, if adequacy of prenatal care could be determined, even if month care began or number of visits was unknown, then these records were included. This is referred to as the Missouri Index of Adequacy of Prenatal Care Utilization.

Infant Death – Live born infant dying during the first year of life.

Infant Transfer – Live born infant transferred to another facility after delivery.

Live Birth Order – Number of previous babies born alive to mother, regardless of current vital status, plus one. Live birth order of one indicates first-time mother. Prior to the 2010 report, only prior live births still living were counted.

Low Birth Weight – A live birth of less than 2,500 grams (five and one-half pounds).

Low Weight Gain (Risk Factor) – A full-term singleton live birth to a mother who gained less than 15 pounds during pregnancy.

Maternal Death – Death of a mother, whether while pregnant, during delivery, or up to a year after delivery, as a result of complications of pregnancy, childbirth, or puerperium (ICD-10 codes O00-O99).

Maternal Weight Gain – The amount of weight a mother gains (or loses) from prior to pregnancy to time of birth.

Maternal Weight Status Before Pregnancy – Pre-pregnancy classification as underweight, normal, overweight, or obese, based on a woman's body mass index (BMI). The BMI formula uses height and weight to calculate this measure of body fatness or thinness.

Natural Increase – Number of resident live births minus resident deaths for a given period.

Neonatal Death – Death of a live born infant during the first 27 days of life.

NICU – Neonatal Intensive Care Unit.

Non-Smoker – A live birth to a mother who indicated that she did not smoke during the three months prior to pregnancy and did not smoke during the first, second, and third trimesters of pregnancy.

In other words, the mother entered '0' for the average amount smoked for each time period. If the mother failed to provide information for any period, her smoking status is unknown.

Non-Live Birth Outcome – A pregnancy that did not result in a live birth (resulted in a spontaneous miscarriage, fetal death, or an induced abortion) (Table 5A).

Out-of-Wedlock birth – A live birth involving a mother who was unmarried at the time of conception, at the time of birth, and throughout the time between conception and birth.

Perinatal Death – An obstetric event that resulted in a fetal death or neonatal death.

Prenatal Care (1st, 2nd, 3rd Trimester) – Trimester that prenatal care began as indicated by the time between the date of last normal menses and date of first prenatal visit. All live births belong in one of five categories: 1st Trimester, 2nd Trimester, 3rd Trimester, None, Unknown.

Poor Pregnancy Outcome – A pregnancy of at least 20 weeks gestation that results in a perinatal death, small for gestational age live birth, or an intrauterine-growth-restricted live birth.

Postneonatal Death – Death occurring after the 27th day of life but before one year of life.

Pregnancy – An obstetric event that resulted in a live birth, fetal death, or induced abortion (Table 11).

Preterm Birth – A live birth of less than 37 weeks gestation.

Principal Payment Source – The primary source of payment of the hospital charges incurred as a result of the delivery.

Quit Smoking (During Pregnancy) – A live birth to a mother who indicated: (a) smoking during the first trimester but did not smoke for the second and third trimesters or (b) smoking during the first and second trimesters but did not smoke for the third trimester.

Singleton – A live birth resulting from a pregnancy where one and only one fetus was conceived. One surviving live birth resulting from a multiple gestation pregnancy is not considered a singleton birth.

Small for Gestational Age – A singleton live birth where the birth weight is at or below the 10th percentile of births of the same gender and gestational age.

Smoked Pack Per Day – A live birth to a mother who reported smoking an average of 20 or more cigarettes per day over the course of an entire three-trimester pregnancy. (See "Unknowns" above.)

CAUSE OF DEATH CLASSIFICATION AND RANKABLE CAUSES OF DEATH (Tables 18, 19, 21, 26)

Cause of death data are analyzed and presented by the underlying cause. The underlying cause of death is defined as the disease or injury that initiated the chain of morbid events leading directly to death, or the circumstances of the accident or violence that produced the fatal injury.

The causes of death presented here are classified in accordance with the Tenth Revision of the International Classification of Diseases (ICD-10), World Health Organization. This revision is used

to classify deaths occurring in the United States on or after January 1, 1999. Comparisons with cause of death statistics from earlier years must be done with caution, since systems for classifying causes of death have changed over the years. Consequently, the mortality trend for a single disease may be distorted as a result of changes in defining and coding the cause of death. For a general measure of the extent of the changes between the ninth and tenth revisions, consult https://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_02.pdf.

In tables presenting “leading” causes of death, selected causes of death are grouped together according to guidelines designated by NCHS into “rankable causes.” Modifications of those guidelines would produce a different picture of leading causes of death. For example, if all deaths from infectious diseases were combined into a single group instead of distributed in their current groupings, the resulting single group would have constituted the sixth leading cause of death in Missouri for 2010. Leading cause of death rankings are based on numbers of deaths, not death rates. Twenty of the current NCHS 51 rankable causes of death (each marked with an asterisk) are included in this report and listed below.

In Tables 21 and 26, which list “Selected” causes of death, the following specific causes of death, listed in prior years, were removed beginning with the 2010 report: tuberculosis, syphilis, stomach cancer, and peptic ulcer. These causes were removed due to the low incidence of deaths from those causes in Missouri. The circulatory disease groupings were simplified in the 2010 report. Also, deaths due to SIDS (ICD-10 code R95) and to pregnancy, childbirth, and the puerperium (ICD-10 codes O00-O99) were removed from tables of rankable causes because they are presented in tables of infant and maternal mortality.

Three new causes of death were added beginning with the 2010 report: enterocolitis due to *clostridium difficile*, Parkinson’s disease, and pneumonitis due to solids and liquids. Also, two new cause groupings were added: falls and accidental poisonings. Both of these groupings were formerly included among the “other unintentional injuries” grouping. All of these causes/groupings have been added because of their striking increase in numbers since 2000. The twenty rankable and seventeen other selected causes of death and cause of death groupings presented in this report are listed below along with their ICD-10 diagnosis codes.

Starting in 2020, due to the worldwide pandemic, COVID-19 was added as a rankable cause and replaced Enterocolitis due to clostridium difficile in Tables 21 and 26.

Cause of Death Groupings Used in Tables 21 and 26.....ICD-10 Codes

*COVID-19.....	U07.1
*Septicemia.....	A40-A41
*HIV/AIDS	B20-B24
*Malignant neoplasms.....	C00-C97
Colon, rectum, and anus	C18-C21
Pancreas	C25
Trachea, bronchus, and lung.....	C33-C34
Breast.....	C50
Cervix uteri, corpus uteri, and ovary.....	C53-C56
Prostate	C61
Urinary tract.....	C64-C68
Non-Hodgkin's lymphoma	C82-C85
Leukemia.....	C91-C95

Other malignant neoplasms	Residual of C00-C97
*Diabetes mellitus	E10-E14
*Alzheimer's disease	G30
*Parkinson's disease	G20-G21
*Diseases of heart.....	I00-I09, I11, I13, I20-I51
*Essential hypertension.....	I10, I12
*Cerebrovascular diseases	I60-I69
*Influenza and pneumonia	J09-J18
*Chronic lower respiratory diseases.....	J40-J47
*Pneumonitis due to solids and liquids.....	J69
*Chronic liver disease and cirrhosis	K70, K73-K74
*Nephritis and nephrosis	N00-N07, N17-N19, N25-N27
*Conditions originating in perinatal period.....	P00-P96
*Congenital anomalies	Q00-Q99
Symptoms and ill-defined conditions, including SIDS	R00-R99
(Note that in 2010-2012 reports, SIDS deaths were included in All other diseases)	
All other diseases.....	Residual of A00-R99
 *Unintentional injuries	V01-X59, Y85-Y86
Motor vehicle crashes ..	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Falls.....	W00-W19
Accidental poisoning by and exposure to noxious substances.....	X40-X49
Other unintentional injuries.....	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, W20-X39, X50-X59, Y85-Y86
*Suicide.....	X60-X84, Y87.0
*Homicide.....	X85-Y09, Y87.1
All other external causes: events of undetermined intent, legal intervention, complications of medical care, and late effects of injuries	Y10-Y36, Y40-Y84, Y87.2, Y88-Y89

*Indicates NCHS rankable causes of death

The other 32 causes of death designated by NCHS as rankable causes but not included in this report are listed below. They are included, however, in the MOPHIMS Death MICA at

<https://healthapps.dhss.mo.gov/MoPhims/MOPHIMSHome>

Additional Cause of Death Groupings Used for Ranking by NCHS But Not in This Report

Cause	ICD-10 Code
Salmonella infections.....	A01-A02
Shigellosis and amebiasis.....	A03, A06
Enterocolitis due to Clostridium difficile.....	A04.7
Tuberculosis.....	A16-A19
Whooping cough	A37
Scarlet fever and erysipelas.....	A38, A46
Meningococcal infection.....	A39
Syphilis	A50-A53
Acute poliomyelitis	A80
Arthropod-borne viral encephalitis	A83-A84, A85.2
Measles.....	B05
Viral hepatitis	B15-B19
Malaria	B50-B54
Benign/in situ neoplasms and neoplasms of uncertain or unknown behavior ..	D00-D48
Anemias	D50-D64
Nutritional deficiencies	E40-E64
Meningitis	G00, G03
Atherosclerosis	I70
Aortic aneurysm and dissection	I71
Acute bronchitis and bronchiolitis.....	J20-J21
Pneumoconiosis and chemical effects	J60-J66, J68
Peptic ulcer	K25-K28
Diseases of appendix	K35-K38
Hernia	K40-K46
Cholelithiasis and other disorders of gallbladder.....	K80-K82
Infections of kidney	N10-N12, N13.6, N15.1
Hyperplasia of prostate	N40
Inflammatory diseases of female pelvic organs	N70-N76
Pregnancy, childbirth, and the puerperium.....	O00-O99
Legal intervention.....	Y35, Y89.0
Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88

ACCIDENTAL DEATH TABLE (Table 27)

Beginning with 2004 data, the accidental death table was updated to reflect revised ICD-10 cause of death groupings. These groupings are adapted from criteria for the "Injury Mortality Summary" provided by the Research and Statistics Department of the National Safety Council (NSC). Many of the categories were new in 2004, and even when the category name did not change, the numbers were not precisely comparable to prior years' data because of changed definitions. Poisonings at home, in particular, were grossly underreported under the old system. The new system gives a more complete count of poisoning deaths and presents poisoning deaths due to all drugs, both prescribed and illicit.

Note that accidental deaths in Table 27 are deaths that occurred in Missouri, whether the injury occurred in Missouri or not. Tables with accidental death counts are not comparable to most of the other mortality tables because those tables display Missouri resident deaths. See "Resident" and 'Recorded' Events" above.

Accidental death data are also categorized by the physical location where the accident occurred. A work accident is any unintentional injury death for which the “Injury at work?” checkbox on the death certificate is marked “Yes.” A home accident is any unintentional injury death occurring at any non-institutional residence including its garage and grounds. Deaths due to unintentional injury where the injury occurred anywhere else are classified as public. Beginning with the 2010 report, ICD-10 codes V87.0-V87.8, V88.0-V88.8, V89.0 and V89.2 were included in the definition for accidental Public transport: car or truck deaths. If a death falls into more than one category such as late effects of a motor vehicle crash while the decedent was at work, the order of precedence is: late effects, work, home/public.

Accidental Death Categories in Table 27..... ICD-10 Codes

Grand total	V01-X59, Y85-Y86
Work total	“Injury at work?” checkbox = “Yes”
Heavy transport vehicle	V60-V69
Other motor vehicle	V02-V04, V09.0, V09.2, V12-V14, V190-V19.2, V19.4-V19.6, V20-V59, V70-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Other transport	Residual of V01-V99
Falls	W00-W19
Farm machinery	W30
Other machinery	W31
Struck by/against object	W20-W29, W35-W49
Electric current	W85-W87
Other/unspecified accident	W32-W34, W50-W84, W88-W99, X00-X59
Home total	W00-X59 with place of injury code of 0
Public non-transport total	W00-X59 with place of injury code not 0
Falls	W00-W19
Machinery	W30-W31
Firearms	W32-W34
Struck by/against object	W20-W29, W35-W49
Drowning	W65-W74
Choke/suffocate	W75-W77, W78-W80, W81-W84
Excess natural heat/cold	X30-X31
Fire/flame/smoke	X00-X09
Poisoning (drug/alcohol)	X40-X45
Poisoning (gas/other)	X46-X49
Other/unspecified accident	Residual of W00-X59
Public transport total	V01-V99
Car or truck	V40-V69, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Pedestrian/motor vehicle	V02-V04, V09.0, V09.2
Pedal cyclist	V12-V14, V19.0-V19.2, V19.4-V19.6
Motorcyclist	V20-V29
Railroad (not w/motor vehicle)	V05, V15, V80.6, V81.2-V81.9
Nonroad vehicle, including ATVs	V83-V86
Water transport	V90-V94
Air transport	V95-V97
Other/unspecified	Residual of V01-V99
Late effects of accidents	Y85-Y86

TOBACCO USAGE AND MORTALITY DATA (Table 28)

Beginning in 2010, the death certificate includes a question that asks, "Did tobacco use contribute to the death?" This allows the medical certifier to make a determination as to the role of tobacco use in causing the death. This item should not be interpreted as or substituted for the decedent's smoking status at death.

Note that this is different from the "Smoking-Attributable" death estimates, which are calculated by applying likelihood percentages to all deaths with specified ICD-10 underlying cause codes based on the extent to which smoking increases the risk of dying from those particular diseases. Missouri smoking-attributable death estimates are published in the 'Leading Causes of Death' Community Data Profile available online at: <https://healthapps.dhss.mo.gov/MoPhims/ProfileBuilder?pc=10>.

NEW DEATH TABLE IN 2013 (Table 29)

In 2013, a new death table was added entitled Resident Deaths by Selected Characteristics by Sex. It includes death variables that are not reported in other tables such as certifier, death place, month of death, disposition of body, marital status, education of deceased, and whether an autopsy was performed.

ABRIDGED LIFE TABLES (Table 30)

The abridged life tables used beginning in 2010, were developed by MDHSS. They represent a slight change to the calculations used before 2010, which had been developed from an NCHS program using the technique of "reference to a standard table." These life tables are technically defined as "current life tables" since they are cross-sectional in nature. In other words, the 2021 tables do not represent the life expectancy of an actual cohort of all Missourians born in a particular year and followed throughout their lifetime. Rather, the current life table considers a hypothetical cohort and assumes it is subject to the age-specific mortality rates existing for a given year. This means the population figures listed in these tables are not actual population counts for Missouri. Instead, they are only theoretical. The figures are only useable for calculating age-specific life expectancy.

For further information about life expectancy tables and their methodology, go to http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_09.pdf.

REVISED MARRIAGE TABLES 31-35 in 2016 (WITH SAME-SEX MARRIAGES)

In June 2015, the US Supreme Court ruled that same-sex couples had a right to marry, and Missouri began recording these marriages after this ruling. However, since the data was incomplete, we did not report this data in detail in 2015 (although the 726 reported same-sex marriages were included in the state totals). In 2016, data on same-sex marriages was reported in detail for the first time in Tables 31 and 33-35. Table 31 shows the number of marriages by month for male-female, female-female, and male-male marriages. In 2021 there are 123 marriages with unknown gender that are included in the state totals. Table 32 includes only male-female marriages because the same-sex numbers are too small to break out by specific age cross-tabulations. Tables 33-35 display marriages by gender by selected other variables.

NEW TABLES ON POST-ABORTION COMPLICATIONS (TABLE 12C)

In 2018, a new table has been added entitled Post-Abortion Complication Report Results. Since 1980, Missouri statutes have allowed health care providers (hospitals, clinics, and physicians) to complete and submit “Complication Report for post-Abortion Care” forms after treating patients for complications following induced abortions. However, reporting from this form has been very sporadic through the years. In 2017, MDHSS revised the form and the regulations related to post-abortion complications in a major effort to improve our understanding of these procedures. Table 12C shows the results of this data for the 2021 calendar year. Data collected includes the type of complication, whether the original abortion procedure was surgical or medical, and whether the patient was hospitalized. In 2021, MDHSS received 54 complication reports representing 79 complications. The post-abortion care for all of the reported complications took place in Missouri, but most of the original abortions were performed in other states. The completeness of reporting is still uncertain, and other states do not exchange this type of data with MDHSS.

Recent Huge Decreases in Missouri Abortions Affects Missouri Resident Abortions in Different Ways

As Missouri has continued to further restrict abortions through regulations and laws, the number of Missouri recorded abortions have dropped dramatically from 4,562 in 2016 to 2,910 in 2018 to just 150 in 2021. Despite the huge drop in Missouri recorded abortions, residents of Missouri were still obtaining abortions in other states, primarily Kansas and Illinois. Many of those previously having abortions in Missouri were traveling to Illinois as the only licensed abortion clinic in Missouri was in the St. Louis area. The resident abortion data in Tables 11-15 come from individual data reports. We receive those records from Missouri, Kansas and several other surrounding states, but not Illinois. As more Missourians went to Illinois, the official Missouri resident abortion count went down, decreasing by nearly half from 7,275 in 2016 to 3,653 in 2021. In 2020 and 2021, well over 90 percent of the Missouri resident abortion numbers came from Kansas abortions compared to just over 40 percent in 2016. As a result, reported resident abortions have not changed much in Western Missouri but have decreased sharply in Eastern Missouri, particularly in the St. Louis area. From 2016 to 2021 the number of official resident abortions in the St. Louis Region dropped from 3,292 in 2016 to just 97 in 2021. Therefore the abortion data in Tables 11-15 in 2021 primarily represent abortions occurring in Kansas to Missourians in Western Missouri.

In Graph D, in addition to the data from individual abortion reports, estimated counts of abortions from states (primarily Illinois) not providing individual reports are also made. From 2015 to 2019 this data showed that the estimated Missouri resident abortions were stable, but from 2019 to 2021 this number rose by over 20 percent from 9,254 in 2019 to 11,185 in 2021.